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GenCore version 5.1.4-p5.4578

DM protein - protein search, using sw model

Run on: April 16, 2003, 13:03:32 ; search time 14 seconds  
(without alignments)  
(399.311 million cell updates/sec)

Hitlist:  
US-09-695-298A-83  
190

Perfect score: 190

Sequence: 190

Scoring table: Glyco -  
Gapop 60.0 , Gapext 60.0

Score: 262574 seqs, 29422922 residues

Searched: 4

Word size : 4

Total number of hits satisfying chosen parameters: 34763

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued\_Patents\_AAI,\*

1: /cgn2\_6/prodata/1/1aa/5A\_COMB\_pep:\*

2: /cgn2\_6/prodata/1/1aa/5B\_COMB\_pep:\*

3: /cgn2\_6/prodata/1/1aa/5C\_COMB\_pep:\*

4: /cgn2\_6/prodata/1/1aa/6B\_COMB\_pep:\*

5: /cgn2\_5/prodata/1/1aa/5CPTUS\_COMB\_pep:\*

6: /cgn2\_6/prodata/1/1aa/5CPTUS1\_COMB\_pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Match Length	DB ID	Description
1	7	3.7	486	4 US-09-291-922-10
2	6	3.2	15	4 US-09-291-922-10
3	6	3.2	15	4 US-09-291-922-10
4	6	3.2	19	4 US-09-291-922-10
5	6	3.2	46	7 US-09-291-922-10
6	6	3.2	53	4 US-09-291-922-10
7	6	3.2	87	1 US-09-291-922-10
8	6	3.2	132	1 US-09-291-922-10
9	6	3.2	143	4 US-09-134-010C-3963
10	6	3.2	145	4 US-09-134-010C-5194
11	6	3.2	146	4 US-09-185-5120A-4000
12	6	3.2	151	4 US-09-228-989-94
13	6	3.2	178	4 US-09-134-010C-994
14	6	3.2	195	1 US-09-185-5120A-9
15	6	3.2	195	5 PCT-US93-05704-9
16	6	3.2	196	4 US-09-345-229-3
17	6	3.2	208	2 US-09-531-522-15
18	6	3.2	208	2 US-09-710-270A-15
19	6	3.2	274	4 US-09-185-510B-15
20	6	3.2	289	4 US-09-438-833-9
21	6	3.2	301	4 US-09-438-833-10
22	6	3.2	303	4 US-09-420-778B-3
23	6	3.2	312	2 US-09-031-485-2
24	6	3.2	312	3 US-09-055-474-2
25	6	3.2	312	4 US-09-055-474-2
26	6	3.2	313	3 US-09-926-842B-62
27	6	3.2	313	4 US-09-926-842B-62

**RESULTS**

RESULT 1  
US-09-291-922-10

Sequence 10, Application US/09291922  
Patent No. 6383776

GENERAL INFORMATION:

APPLICANT: Allen, Steve  
APPLICANT: Hiltz, Bill  
APPLICANT: Kinney, Tony  
APPLICANT: Tinney, Scott

TITLE OF INVENTION: Plant Sugar Transport Proteins

FILE REFERENCE: BB-1163

CURRENT APPLICATION NUMBER: US-09/291,922

CURRENT FILING DATE: 1993-04-14

EARLIER APPLICATION NUMBER: 60/083,044

EARLIER FILING DATE: April 24, 1998

NUMBER OF SEQ ID NOS: 30

SOSEQ ID NO 10

LENGTH: 486

TYPE: PRT

ORGANISM: Glycine max

US-09-291-922-10

Query Match 3.7%; Score 7; DB 4; Length 486;  
best Local Similarity 100.0%; Pred. No. 39;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 148 ANPSSLY 154

Db 41 ANPSSLY 47

RESULT 2  
US-08-602-999A-379

US-08-602-999A-379  
; Sequence 379, Application US/08602999A  
; Patent No. 6184205

GENERAL INFORMATION:

APPLICANT: SPARKS, Andrew B.  
APPLICANT: KAY, Brian K.  
APPLICANT: THORN, Judith M.  
APPLICANT: OULLIUM, Lawrence A.  
APPLICANT: DRR, Channing J.  
APPLICANT: BOMKES, Dana M.  
APPLICANT: RIDER, James E.  
APPLICANT: SHI, BINDING PEPTIDES AND METHODS OF

TITLE OF INVENTION: ISOLATING AND USING SAME

TITLE OF INVENTION: ISOLATING AND USING SAME

NUMBER OF SEQUENCES: 467

CORRESPONDENCE ADDRESS:

ADDRESSE: Penn & Edmonds

STREET: 1155 Avenue of the Americas

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CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/500.124  
 FILING DATE: 16-FEB-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Mistrok, S. Leslie  
 REGISTERED NUMBER: 18,872  
 REFERENCE/DOCKET NUMBER: 1101-202  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9030  
 TELEFAX: (212) 869-7741/8864  
 INFORMATION FOR SEQ ID NO: 379:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 15 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 US-09-500-124-379

Query Match 3.2%; Score 6; DB 4; Length 15;  
 Best Local Similarity 100.0%; Pred. No. 18; Mismatches 0; Indels 0; Gaps 0;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 53 RGLPLF 58  
 OY 5 RGLPLF 10

---

RESULT 3  
 US-09-500-124-379  
 Sequence 379, Application US/09500124  
 Patent No. 64,2920  
 GENERAL INFORMATION:  
 APPLICANT: SPARKS, Andrew B.  
 APPLICANT: KAY, Brian K.  
 APPLICANT: THORN, Judith M.  
 APPLICANT: WILLIAMS, Lawrence A.  
 APPLICANT: DER, Channing J.  
 APPLICANT: FONKES, Dana M.  
 APPLICANT: RIDER, James E.  
 TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF  
 NUMBER OF SEQUENCES: 467  
 CORRESPONDENCE ADDRESS:  
 ADDRESSE: Pennie & Edmonds  
 STREET: 115 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10016-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/928,213B  
 FILING DATE: 12-Sep-1997  
 CLASSIFICATION: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Macknight, Kamrin T.  
 REGISTERED NUMBER: 38,230  
 REFERENCE/DOCKET NUMBER: ENZYCO-02550  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 411-705-8410  
 TELEFAX: 415-397-8338  
 INFORMATION FOR SEQ ID NO: 131:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 19 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: not relevant  
 MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 131:  
 US-09-928-213B-131

Query Match 3.2%; Score 6; DB 4; Length 19;  
 Best Local Similarity 100.0%; Pred. No. 22; Mismatches 0; Indels 0; Gaps 0;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 55 PLFIHS 61

Db 1 ||||| 1 PLF1HS 6

RESULT 5

US-08-865-468-7

Sequence 7, Application US/08865468

Patient No. 6248669

GENERAL INFORMATION:

APPLICANT: Dade International, Inc.

APPLICANT: Moriana, Nihmet A.

APPLICANT: Pulta, Angela M.

TITLE OF INVENTION: TROPONIN I FORMS AND USE OF SAME

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dade International, Inc.

STREET: 1717 Deerfield Road

CITY: Deerfield

STATE: Illinois

COUNTRY: US

ZIP: 60015

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/865,468

FILING DATE: 29 May 1997

CLASSIFICATION: 530

PRIORITY APPLICATION DATA:

APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:

NAME: WINSTON, Lois K.

REGISTRATION NUMBER: 39,074

REFERENCE/DOCKET NUMBER: DA-9018

TELECOMMUNICATION INFORMATION:

TELEPHONE: (708) 267-5364

TELEFAX: (708) 267-3376

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 46 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-865-468-7

Query Match 3.2%; Score 5; DB 4; Length 46; Best Local Similarity 100.0%; Pred. No. 49; Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 173 CSIDUR 178  
||| 10 GSDLER 15

Db 00-00-345-293-4

Sequence 4, Application US/09345293A

PATENT NO. 638082

GENERAL INFORMATION:

APPLICANT: Khodaghout, Mehran Gene Encoding a Protein Having Diagnostic, Preventive, Therapeutic, and Other Uses

TITLE OF INVENTION: No. 638082

TITLE OF INVENTION: Preventive, Therapeutic, and Other Uses

FILE REFERENCE: 10147-12

CURRENT APPLICATION NUMBER: US/09/245,293A

CURRENT FILING DATE: 1999-06-30

NUMBER OF SEQ ID NO: 11

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO: 4

LENGTH: 53

TYPE: PCT

Db 1 ||||| 1 PLF1HS 6

RESULT 6

US-08-345-293-4

Sequence 4, Application US/08345293

Patient No. 6248669

GENERAL INFORMATION:

APPLICANT: Dade International, Inc.

APPLICANT: Moriana, Nihmet A.

APPLICANT: Pulta, Angela M.

TITLE OF INVENTION: TROPONIN I FORMS AND USE OF SAME

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dade International, Inc.

STREET: 1717 Deerfield Road

CITY: Deerfield

STATE: Illinois

COUNTRY: US

ZIP: 60015

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/345-293-4

FILING DATE: 07-JUN-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: MCCLUNG, Barbara G

REGISTRATION NUMBER: 33,113

SEQUENCE/DOCKET NUMBER: 0335.002

TELECOMMUNICATION INFORMATION:

TELEPHONE: 510-601-2708

TELEFAX: 510-655-3542

INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 87 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-345-293-4

Db 1 ||||| 1 PLF1HS 6

RESULT 7

US-08-477-451-4

Sequence 4, Application US/08477451

Patient No. 5928865

GENERAL INFORMATION:

APPLICANT: Covacci, Antonello

TITLE OF INVENTION: Helicobacter Pylori Cag I Region

NUMBER OF SEQUENCES: 46

CORRESPONDENCE ADDRESS:

ADDRESSEE: Chiron Corporation

STREET: 4500 Horton Street

CITY: Emeryville

STATE: CA

COUNTRY: USA

ZIP: 94608-2916

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/477-451

FILING DATE: 07-JUN-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: MCCLUNG, Barbara G

REGISTRATION NUMBER: 33,113

SEQUENCE/DOCKET NUMBER: 0335.002

TELECOMMUNICATION INFORMATION:

TELEPHONE: 510-601-2708

TELEFAX: 510-655-3542

INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 87 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-477-451-4

Db 1 ||||| 1 PLF1HS 6

RESULT 8

US-08-392-419-4

Sequence 4, Application US/08392419

Patient No. 5624659

GENERAL INFORMATION:

APPLICANT: Blutnay, Darrell D.

TITLE OF INVENTION: METHOD OF TREATMENT

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: Kenneth D. Sibley

STREET: P.O. Drawer 34009

Db 1 ||||| 1 PLF1HS 6

CITY: Charlotte  
 STATE: No. 5624659th Carolina  
 COUNTRY: USA  
 ZIP: 28214

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/392,419  
 FILING DATE: 19-MAR-1993  
 CLASSIFICATION: 424  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/033,827  
 ATTORNEY/AGENT INFORMATION:  
 NAME: SIDLEY, Kenneth D.  
 REGISTRATION NUMBER: 31,665  
 REFERENCE/DOCKET NUMBER: 5405-90  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-882-3175  
 TELEFAX: 919-882-3175  
 INFORMATION FOR SEQ ID NOS: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 132 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-08-392,419-4

RESULT 9

Query Match 3.2%; Score 6; DB 1; Length 132;  
 Best Local Similarity 100.0%; Pred. No. 1,3e+02; Mismatches 0; Indels 0; Gaps 0;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 102 ITLYW 107  
 Db 55 ITLYW 60

Sequence 3963, Application US/09134001C  
 Patent No. 6380370

GENERAL INFORMATION:  
 APPLICANT: Lynn Boucette-Stamm et al  
 TITLE OF INVENTION: EPITHELIUM FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: GTC-007  
 CURRENT APPLICATION NUMBER: US/09/134,001C  
 CURRENT FILING DATE: 1998-08-13  
 PRIORITY APPLICATION NUMBER: US 60/064,964  
 PRIORITY FILING DATE: 1997-11-08  
 PRIORITY APPLICATION NUMBER: US 60/055,779  
 PRIORITY FILING DATE: 1997-08-14  
 NUMBER OF SEQ ID NOS: 5674  
 SEQ ID NO 3963  
 LENGTH: 143  
 TYPE: PRT  
 ORGANISM: *Staphylococcus epidermidis*  
 US-09-134-001C-3963

Query Match 3.2%; Score 6; DB 4; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 1,4e+02; Mismatches 0; Indels 0; Gaps 0;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 149 NPSSLV 154  
 Db 37 NPSSLV 42

RESULT 11

Query Match 3.2%; Score 6; DB 4; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 1,4e+02; Mismatches 0; Indels 0; Gaps 0;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 149 NPSSLV 154  
 Db 37 NPSSLV 42

Sequence 5194, Application US/09134001C  
 Patent No. 6380370

GENERAL INFORMATION:  
 PATENT NO. 6343328B  
 GENERAL INFORMATION:  
 APPLICANT: BLACK, Michael  
 APPLICANT: HOGSON, John  
 APPLICANT: KNOWLES, David  
 APPLICANT: NICHOLAS, Richard  
 APPLICANT: STODOLA, Robert  
 TITLE OF INVENTION: No. 6343328B1 Compounds  
 NUMBER OF SEQUENCES: 552  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Smithkline Beecham Corporation  
 STREET: 709 Swedland Road  
 CITY: King of Prussia  
 STATE: PA  
 COUNTRY: USA  
 ZIP: 19406-9399

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ FOR Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/858,207A  
 FILING DATE: 09-MAY-1997  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 60/017670  
 FILING DATE: 14-MAR-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Gianni, Edward R.  
 REGISTRATION NUMBER: 38,891  
 REFERENCE/DOCKET NUMBER: P50475  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 610-270-4478  
 TELEFAX: 610-270-5090  
 INFORMATION FOR SEQ ID NO: 400:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 146 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single

Query Match 3.2%; Score 6; DB 4; Length 143;  
 Best Local Similarity 100.0%; Pred. No. 1,4e+02; Mismatches 0; Indels 0; Gaps 0;

OY 19 FPFUL 24  
 Db 14 FPFUL 19

RESULT 10

Sequence 5194, Application US/09134001C  
 Patent No. 6380370

GENERAL INFORMATION:  
 APPLICANT: Lynn Boucette-Stamm et al  
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
 FILE REFERENCE: GTC-007  
 CURRENT APPLICATION NUMBER: US/09/134,001C  
 CURRENT FILING DATE: 1998-08-13  
 PRIORITY APPLICATION NUMBER: US 60/064,964  
 PRIORITY FILING DATE: 1997-11-08  
 PRIORITY APPLICATION NUMBER: US 60/055,779  
 PRIORITY FILING DATE: 1997-08-14  
 NUMBER OF SEQ ID NOS: 5674

SEQ ID NO 5194  
 LENGTH: 145  
 TYPE: PRT  
 ORGANISM: *Staphylococcus epidermidis*  
 US-09-134-001C-5194

TOPLOGY: linear  
 MOLECULE TYPE: NO. 6348328c  
 US-08-858-207A-400

Query Match      3.2%; Score 6; DB 4; Length 146;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      173 GSLLDR 178  
 Db      81 GSLLDR 86

RESULT 12  
 US-09-228-986-94  
 Sequence 94, Application US/09228986  
 Patent No. 6359198  
 GENERAL INFORMATION:  
 APPLICANT: Strabala, Timothy  
 APPLICANT: Nieuwenhuizen, Niels  
 TITLE OF INVENTION: Compositions isolated from Plant Cells  
 TITLE OF INVENTION: and their use in the Modification of Plant Cell Signalling  
 FILE REFERENCE: 11000/1/20  
 CURRENT APPLICATION NUMBER: US/09/228, 986  
 CURRENT FILING DATE: 1999-01-12  
 NUMBER OF SEQ ID NOS: 130  
 NUMBER OF SEQ ID NOS: 130  
 SOFTWARE: FastSEQ for Windows Version 3.0  
 SEQ ID NO 94  
 LENGTH: 151  
 TYPE: PRT  
 ORGANISM: Pinus radiata  
 US-09-228-986-94

Query Match      3.2%; Score 6; DB 4; Length 151;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      174 SLDRS 179  
 Db      102 SLDRS 107

RESULT 13  
 US-09-134-001C-4994  
 Sequence 4994, Application US/09134001C  
 Patent No. 6380370  
 GENERAL INFORMATION:  
 APPLICANT: Lynn Doucette-Stamm et al.  
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
 FILE REFERENCE: GTC-007  
 CURRENT APPLICATION NUMBER: US/09/134, 001C  
 CURRENT FILING DATE: 1998-08-13  
 PRIORITY APPLICATION NUMBER: US 60/064, 964  
 PRIORITY FILING DATE: 1997-11-08  
 PRIORITY APPLICATION NUMBER: US 60/055, 779  
 PRIORITY FILING DATE: 1997-08-14  
 NUMBER OF SEQ ID NOS: 5674  
 SEQ ID NO 4994  
 LENGTH: 178  
 TYPE: PRT  
 ORGANISM: Staphylococcus epidermidis  
 US-09-134-001C-4994

Query Match      3.2%; Score 6; DB 4; Length 178;  
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      135 IERLIK 140  
 Db      157 IERLIK 162

RESULT 14  
 US-08-063-552-9  
 Sequence 9, Application US/08063552  
 Patent No. 5688336  
 GENERAL INFORMATION:  
 APPLICANT: Edwards, Robert H  
 TITLE OF INVENTION: Vesicle Membrane Transport Proteins  
 NUMBER OF SEQUENCES: 17  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Sheldon & Mak  
 STREET: 225 South Lake Avenue, Ninth Floor  
 CITY: Pasadena  
 STATE: California  
 COUNTRY: USA  
 ZIP: 91101

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-POS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/063, 552  
 FILING DATE: 19930514  
 CLASSIFICATION: 550  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Farber, Michael B  
 REGISTRATION NUMBER: 32,612  
 REFERENCE/DOCKET NUMBER: 90567-1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (818) 795-6321  
 TELEFAX: (818) 795-6321  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 195 amino acids  
 TYPE: AMINO ACID  
 TOPLOGY: linear  
 MOLECULE TYPE: peptide  
 HYPOTHETICAL: NO  
 FRAGMENT TYPE: internal  
 ORIGINAL SOURCE:  
 ORGANISM: Bacillus subtilis plasmid  
 US-08-063-552-9.

RESULT 15  
 PCT-US93-05104-9  
 Sequence 9, Application PCT/US9305704  
 GENERAL INFORMATION:  
 APPLICANT: Edwards, Robert H  
 TITLE OF INVENTION: Vesicle Membrane Transport Proteins  
 NUMBER OF SEQUENCES: 17  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Sheldon & Mak  
 STREET: 225 South Lake Avenue, Ninth Floor  
 CITY: Pasadena  
 STATE: California  
 COUNTRY: USA  
 ZIP: 91101

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-POS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US93/05704

FILING DATE: 19930611  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Farber, Michael B  
REGISTRATION NUMBER: 32,612  
REFERENCE/DOCKET NUMBER: 9067-1PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (818) 795-4000  
TELEFAX: (818) 795-6321  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 195 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
FRAGMENT TYPE: Internal  
ORIGINAL SOURCE:  
PCT-US93-05704-9 Bacillus subtilis plasmid

Query Match 3.2%; Score 6; DB 5; Length 195;  
Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 112 GRKIMI 117  
Db 69 GRKIMI 74

Search completed: April 16, 2003, 13:10:41  
Job time : 16 secs

Om protein - protein search, using sw model

Run on: April 16, 2003, 13:02:42 ; Search time 18 Seconds (without alignments)

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GenCore - version 5.1.4.p5-4578

Title: US-09-895-298A-83

Perfect score: 1002

Sequence: 1 MANTOPPSKAWRASQMMTPF. .... .HDGSDLRSRSRSTVQEGNPRRA 190

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 288829 seqs, 75613885 residues

Total number of hits satisfying chosen parameters: 288829

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

1: /r/cgn2\_6/ptdata/1/pupbaa/us08\_new\_pub\_pep:\*

2: /r/cgn2\_6/ptdata/1/pupbaa/pct\_new\_pub\_pep:\*

3: /r/cgn2\_6/ptdata/1/pupbaa/us06\_pubcomb\_pep:\*

4: /r/cgn2\_6/ptdata/1/pupbaa/us07\_new\_pub\_pep:\*

5: /r/cgn2\_6/ptdata/1/pupbaa/us06\_new\_pub\_pep:\*

6: /r/cgn2\_6/ptdata/1/pupbaa/us07\_pubcomb\_pep:\*

7: /r/cgn2\_6/ptdata/1/pupbaa/pct\_new\_pub\_pep:\*

8: /r/cgn2\_6/ptdata/1/pupbaa/us09\_pubcomb\_pep:\*

9: /r/cgn2\_6/ptdata/1/pupbaa/us09\_new\_pub\_pep:\*

10: /r/cgn2\_6/ptdata/1/pupbaa/us09\_pubcomb\_pep:\*

11: /r/cgn2\_6/ptdata/1/pupbaa/us10\_new\_pub\_pep:\*

12: /r/cgn2\_6/ptdata/1/pupbaa/us10\_pubcomb\_pep:\*

13: /r/cgn2\_6/ptdata/1/pupbaa/us60\_new\_pub\_pep:\*

14: /r/cgn2\_6/ptdata/1/pupbaa/us60\_pubcomb\_pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	148	14.8	31 10	US-09-864-761-44182 Sequence 44182, A
2	88.5	8.8	706 9	US-09-965-529-36 Sequence 36, App
3	82.5	8.2	310 9	US-09-510-132-164 Sequence 164, App
4	80	8.0	426 9	US-10-028-072-218 Sequence 218, App
5	80	8.0	426 9	US-10-021-049-218 Sequence 218, App
6	8.0	426 9	US-10-123-094-218 Sequence 218, App	
7	8.0	426 9	US-10-140-070-218 Sequence 218, App	
8	8.0	426 9	US-10-175-746-218 Sequence 218, App	
9	8.0	426 9	US-10-176-918-218 Sequence 218, App	
10	8.0	426 9	US-10-176-221-218 Sequence 218, App	
11	8.0	426 9	US-10-137-865-218 Sequence 218, App	
12	8.0	426 9	US-10-140-074-218 Sequence 218, App	
13	8.0	426 9	US-10-142-443-218 Sequence 218, App	
14	8.0	426 9	US-10-143-114-218 Sequence 218, App	
15	8.0	426 9	US-10-140-002-218 Sequence 218, App	
16	8.0	426 9	US-10-142-119-218 Sequence 218, App	
17	8.0	426 9	US-10-123-262-218 Sequence 218, App	
18	8.0	426 9	US-10-142-233-218 Sequence 218, App	
19	8.0	426 9	US-10-121-050-218 Sequence 218, App	

ALIGNMENTS

RESULT 1

Sequence 44182, Application US-09864-61

Patent No: US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wenzheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE ELEMENTS FOR INVENTION: GENE EXPRESSION ANALYSIS BY FILE REFERENCE: Aeomica X-1

CURRENT APPLICATION NUMBER: US/09-864,761

CURRENT FILING DATE: 2001-03-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09-632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263,6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/336,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: US 60/234,687  
 PRIOR FILING DATE: 2000-09-21  
 PRIOR APPLICATION NUMBER: US 09/608,408  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR FILING DATE: 2001-01-29  
 NUMBER OF SEQ ID NOS: 49117  
 SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
 SEQ ID NO 44182  
 LENGTH: 31  
 TYPE: PRP  
 ORGANISM: Homo sapiens  
 FEATURE: OTHER INFORMATION: MAP TO AC003108:1  
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75  
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62  
 OTHER INFORMATION: EST\_HUMAN HIT: AW582253.1, EVALUE 2.00e-09  
 US-09-664-761-4182

Query Match 14.8%; Score 148; DB 10; Length 31;  
 Best Local Similarity 100.0%; Pred. No. 7.5e-09;  
 Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Oy 131 KMLPLKMLKIQDMEKANPSSLVLERREVE 161  
 Db 1 KMLPLKLIKQDMEKANPSSLVLERREVE 31

RESULT 2  
 US-09-965-529-35  
 Sequence 36, Application US/09965529  
 Publication No. US20020182671A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: YUE, Henry  
 ; APPLICANT: TANG, Tom  
 ; APPLICANT: BANDMAN, Olga  
 ; APPLICANT: BURFORD, Neil  
 ; APPLICANT: AZIMAI, Yalda  
 ; APPLICANT: DAUGIN, Mariah R.  
 ; APPLICANT: LIU, Duwon Anna M.  
 ; APPLICANT: PATERSON, Chandra  
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS  
 FILE REFERENCE: PR-0731 USA  
 CURRENT APPLICATION NUMBER: US/09/965,529  
 CURRENT FILING DATE: 2001-09-26  
 PRIOR APPLICATION NUMBER: 60/149,641; 60/154,203; PCT/US00/22315  
 PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-06-14  
 NUMBER OF SEQ ID NOS: 74  
 SOFTWARE: PERL Program  
 SEQ ID NO 36  
 LENGTH: 706  
 TYPE: PRP  
 ORGANISM: Homo sapiens  
 FEATURE: NAME/KEY: misc\_feature  
 ; OTHER INFORMATION: Incyte ID No. US20020182671A1 5944279CD1  
 US-09-965-529-36

Query Match 8.8%; Score 88.5; DB 9; Length 706;  
 Best Local Similarity 27.5%; Pred. No. 0.71; Matches 39; Conservative 27; Mismatches 57; Indels 19; Gaps 6;  
 Oy 6 PPSKAKRASOMMTEF--IFLLEPPSETGVLCTLAIWIRLKPSPADGGRPSLPLHISYS 64  
 Db 571 PARTFERASANFEFLVLLGLAISV--PLVYSLIPPSKUGPFRQD---SSIIWA 624

RESULT 3  
 US-09-510-332-164  
 Sequence 164, Application US/09510332  
 Publication No. US2003002278A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Zuker, Charles S.  
 ; APPLICANT: Adler, Jon Elliot  
 ; APPLICANT: Ryba, Nick  
 ; APPLICANT: Nuelle, Ken  
 ; APPLICANT: Hoon, Mark  
 ; APPLICANT: The Regents of the University of California  
 ; TITLE OF INVENTION: T2R, a No. US2003002278A1 Family of Taste Receptors  
 ; FILE REFERENCE: 03070-090101S  
 ; CURRENT APPLICATION NUMBER: US/09/510,332  
 ; CURRENT FILING DATE: 2000-02-22  
 ; PRIOR APPLICATION NUMBER: US 09/393,334  
 ; PRIOR FILING DATE: 1999-09-10  
 ; NUMBER OF SEQ ID NOS: 172  
 ; SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 164  
 LENGTH: 310  
 TYPE: PRP  
 ORGANISM: Mus sp.  
 FEATURE: OTHER INFORMATION: mouse T2R31 (mGR31)  
 ; OTHER INFORMATION: mouse T2R31 (mGR31)  
 US-09-510-332-164

Query Match 8.3%; Score 82.5; DB 9; Length 310;  
 Best Local Similarity 21.7%; Pred. No. 1; Matches 50; Conservative 27; Mismatches 50; Indels 103; Gaps 11;  
 Oy 11 WRASQSMMPFIFLLEPPSFSGVCLTAT--TWRKLPSADCGPFRGLPLFTHSIS-- 64  
 Db 28 WVKKNOKTITFNFVCLASARISSVMLPFTDIAPL--HFTYSSR 73  
 Oy 65 -----W-----DTLS-----RPGYLWVWVLYRNLLGSHFHEPILT 96  
 Db 74 LWKCSDFIWWVWIDQPSWMAICISIPIFRKAHSPLWIKW--RKGVWVWFVS 130  
 Oy 97 LIVLTVTY-----W-----QTEGRKMRFLHQBQINNEGKDM 132  
 Db 131 LFLLISVPELIPITWGDPIVYLLKNUMLTSGTITKAFOQIV-----FDII 179  
 Oy 133 FLERLIKQDMEKANPSSLVLERREVEODGFLHGLGDSIDRSRS 182  
 Db 180 YLVPELVSU-----ASLILU-----FLSLVHKHSRSLISTS 212

RESULT 4  
 US-10-038-072-218  
 Sequence 218, Application US/10028072  
 Publication No. US20030004311A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Bersini, Maureen  
 ; APPLICANT: Derosge, Laura  
 ; APPLICANT: Desroyers, Luc  
 ; APPLICANT: Filavortoff, Ellen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang

TITLE OF INVENTION:  
 FILE REFERENCE:  
 CURRENT APPLICATION NUMBER: US/10/028,072  
 CURRENT FILING DATE: 2001-12-19  
 PRIOR APPLICATION NUMBER: 60/049,911  
 PRIOR FILING DATE: 1997-06-18  
 PRIOR APPLICATION NUMBER: 60/056,974  
 PRIOR FILING DATE: 1997-08-26  
 PRIOR APPLICATION NUMBER: 60/059,113  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059,115  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059,117  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059,122  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059,184  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059,263  
 PRIOR FILING DATE: 1997-09-18  
 PRIOR APPLICATION NUMBER: 60/059,352  
 PRIOR FILING DATE: 1997-09-19  
 PRIOR APPLICATION NUMBER: 60/059,588  
 PRIOR FILING DATE: 1997-09-19  
 PRIOR APPLICATION NUMBER: 60/059,836  
 PRIOR FILING DATE: 1997-09-24  
 PRIOR APPLICATION NUMBER: 60/059,250  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/052,285  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/052,287  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/052,814  
 PRIOR FILING DATE: 1997-10-24  
 PRIOR APPLICATION NUMBER: 60/052,816  
 PRIOR FILING DATE: 1997-10-24  
 PRIOR APPLICATION NUMBER: 60/053,045  
 PRIOR FILING DATE: 1997-10-24  
 PRIOR APPLICATION NUMBER: 60/053,082  
 PRIOR FILING DATE: 1997-10-31  
 PRIOR APPLICATION NUMBER: 60/053,127  
 PRIOR FILING DATE: 1997-10-24  
 PRIOR APPLICATION NUMBER: 60/053,327  
 PRIOR FILING DATE: 1997-10-27  
 PRIOR APPLICATION NUMBER: 60/063,329  
 PRIOR FILING DATE: 1997-10-27  
 PRIOR APPLICATION NUMBER: 60/063,550  
 PRIOR FILING DATE: 1997-10-28  
 PRIOR APPLICATION NUMBER: 60/063,561  
 PRIOR FILING DATE: 1997-10-28  
 PRIOR APPLICATION NUMBER: 60/063,704  
 PRIOR FILING DATE: 1997-10-29  
 PRIOR APPLICATION NUMBER: 60/063,733  
 PRIOR FILING DATE: 1997-10-29  
 PRIOR APPLICATION NUMBER: 60/063,735  
 PRIOR FILING DATE: 1997-10-29  
 PRIOR APPLICATION NUMBER: 60/063,738  
 PRIOR FILING DATE: 1997-10-29  
 PRIOR APPLICATION NUMBER: 60/063,755  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/064,248  
 PRIOR FILING DATE: 1997-11-03  
 PRIOR APPLICATION NUMBER: 60/064,809  
 PRIOR FILING DATE: 1997-11-07  
 PRIOR APPLICATION NUMBER: 60/065,186  
 PRIOR FILING DATE: 1997-11-12  
 PRIOR APPLICATION NUMBER: 60/065,846

PRIOR FILING DATE: 1997-11-17  
 PRIOR APPLICATION NUMBER: 60/065,364  
 PRIOR FILING DATE: 1997-11-21  
 PRIOR APPLICATION NUMBER: 60/066,53  
 PRIOR FILING DATE: 1997-11-24  
 PRIOR APPLICATION NUMBER: 60/066,511  
 PRIOR FILING DATE: 1997-11-24  
 PRIOR APPLICATION NUMBER: 60/066,770  
 PRIOR FILING DATE: 1997-11-24  
 PRIOR APPLICATION NUMBER: 60/069,312  
 PRIOR FILING DATE: 1997-12-11  
 PRIOR APPLICATION NUMBER: 60/069,278  
 PRIOR FILING DATE: 1997-12-11  
 PRIOR APPLICATION NUMBER: 60/069,334  
 PRIOR FILING DATE: 1997-12-11  
 PRIOR APPLICATION NUMBER: 60/074,086  
 PRIOR FILING DATE: 1998-02-09  
 PRIOR APPLICATION NUMBER: 60/074,994  
 PRIOR FILING DATE: 1997-12-16  
 PRIOR APPLICATION NUMBER: 60/072,920  
 PRIOR FILING DATE: 1998-01-23  
 PRIOR APPLICATION NUMBER: 60/073,612  
 PRIOR FILING DATE: 1998-02-04  
 PRIOR APPLICATION NUMBER: 60/078,910  
 PRIOR FILING DATE: 1998-01-20  
 PRIOR APPLICATION NUMBER: 60/079,294  
 PRIOR FILING DATE: 1998-01-25  
 PRIOR APPLICATION NUMBER: 60/079,663  
 PRIOR FILING DATE: 1998-02-27  
 PRIOR APPLICATION NUMBER: 60/079,728  
 PRIOR FILING DATE: 1998-03-27  
 PRIOR APPLICATION NUMBER: 60/080,165  
 PRIOR FILING DATE: 1998-03-31  
 PRIOR APPLICATION NUMBER: 60/081,203  
 PRIOR FILING DATE: 1998-04-09  
 PRIOR APPLICATION NUMBER: 60/081,229  
 PRIOR FILING DATE: 1998-04-09  
 PRIOR APPLICATION NUMBER: 60/081,695  
 PRIOR FILING DATE: 1998-04-14  
 PRIOR APPLICATION NUMBER: 60/081,817  
 PRIOR FILING DATE: 1998-04-15  
 PRIOR APPLICATION NUMBER: 60/081,818  
 PRIOR FILING DATE: 1998-04-15  
 PRIOR APPLICATION NUMBER: 60/081,829  
 PRIOR FILING DATE: 1998-04-24  
 PRIOR APPLICATION NUMBER: 60/083,322  
 PRIOR FILING DATE: 1998-04-28  
 PRIOR APPLICATION NUMBER: 60/083,545  
 PRIOR FILING DATE: 1998-04-29  
 PRIOR APPLICATION NUMBER: 60/084,600  
 PRIOR FILING DATE: 1998-04-15  
 PRIOR APPLICATION NUMBER: 60/084,600  
 PRIOR FILING DATE: 1998-05-07  
 PRIOR APPLICATION NUMBER: 60/084,627  
 PRIOR FILING DATE: 1998-05-07  
 PRIOR APPLICATION NUMBER: 60/084,637  
 PRIOR FILING DATE: 1998-05-07  
 PRIOR APPLICATION NUMBER: 60/085,149  
 PRIOR FILING DATE: 1998-05-12  
 PRIOR APPLICATION NUMBER: 60/085,123  
 PRIOR FILING DATE: 1998-05-13  
 PRIOR APPLICATION NUMBER: 60/085,338  
 PRIOR FILING DATE: 1998-05-13  
 PRIOR APPLICATION NUMBER: 60/085,339  
 PRIOR FILING DATE: 1998-05-13  
 PRIOR APPLICATION NUMBER: 60/085,579  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085,697  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085,704  
 PRIOR FILING DATE: 1998-05-15

PRIOR APPLICATION NUMBER: 60/086414  
 PRIOR FILING DATE: 1998-05-22  
 PRIOR APPLICATION NUMBER: 60/088430  
 PRIOR FILING DATE: 1998-05-22  
 PRIOR APPLICATION NUMBER: 60/087106  
 PRIOR FILING DATE: 1998-05-28  
 PRIOR APPLICATION NUMBER: 60/088026  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088730  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088741  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088810  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088858  
 PRIOR FILING DATE: 1998-06-11  
 PRIOR APPLICATION NUMBER: 60/088532  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/088599  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/088907  
 PRIOR FILING DATE: 1998-06-19  
 PRIOR APPLICATION NUMBER: 60/088947  
 PRIOR FILING DATE: 1998-06-19  
 PRIOR APPLICATION NUMBER: 60/090349  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090445  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090538  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090863  
 PRIOR FILING DATE: 1998-06-26  
 PRIOR APPLICATION NUMBER: 60/091360  
 PRIOR FILING DATE: 1998-07-01  
 PRIOR APPLICATION NUMBER: 60/091519  
 PRIOR FILING DATE: 1998-07-02  
 PRIOR APPLICATION NUMBER: 60/091982  
 PRIOR FILING DATE: 1998-07-07

Query Match 8.0%; Score 80; DB 9; Length 426;  
 Best Local Similarity 21.8%; Pred No. 2 8; Mismatches 54; Indels 66; Gaps 9;  
 Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

QY 14 SOMMFIFLLEF----PSFTGIVLCTLAITWRLKPSADCPERGLPLFLHSI---- 62  
 Db 4 AQLATEVYPSDELKEPTFKGLRLEAV----DKMVTCIV-GLPLLISLAQFQ 57

QY 63 -----VW----DTLSTRIGLYWVWVYRNGS-----WHPF--- 93  
 Db 58 1SIGTOISCPSPSSFSWQRQAFVDS-----YCWAAVQKNSLLOSESGNPLWJHKFPY 111

QY 94 --ITLIVLITYLWQTEGRKIMIRLHEQINERGRKDNMFILTERLKGDMRKKAMPS 151  
 Db 112 ILLFLAFLYLPPLFWRAAPHIC-----SDLKPMEEELDKVNRKAKS 159

QY 152 SILVERRE 159  
 Db 160 ARDLOMRD 167

RESULT 6  
 US-10-121-904-218  
 Sequence 218, Application US/101213904  
 Publication No. US2003002228A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Barolini, Maureen  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Berger, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tunes, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William

APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ACIDS ENCODING THE SAME  
 FILE REFERENCE: P3330R1C17  
 CURRENT APPLICATION NUMBER: US10/121,049  
 CURRENT FILING DATE: 2003-04-12  
 Prior Application removed - See File Wrapper or Palm

RESULT 5  
 US-10-121-04-218  
 Sequence 218, Application US/10121049  
 Publication No. US20030022239A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Berger, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tunes, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William

APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ACIDS ENCODING THE SAME  
 FILE REFERENCE: P3330R1C54  
 CURRENT APPLICATION NUMBER: US10/121,904  
 CURRENT FILING DATE: 2002-04-16  
 Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO: 218  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-123-904-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
 Best Local Similarity 21.8%; Pred. No. 2.8; Mismatches 54; Indels 66; Gaps 9;  
 Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

RESULT 7  
 US-10-140-470-218  
 Sequence 218, Application US/101140470  
 Publication No. US20030022331A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Dernorge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filarovoff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gartner, Mary E.  
 APPLICANT: Goddard, Rudney  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumans, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME  
 FILE REFERENCE: P3309RIC353  
 CURRENT APPLICATION NUMBER: US10/175,746  
 CURRENT FILING DATE: 2002-06-19  
 PRIORITY APPLICATION NUMBER: US10/140,470  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO: 218  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-140-470-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
 Best Local Similarity 21.8%; Pred. No. 2.8; Mismatches 54; Indels 66; Gaps 9;  
 Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

RESULT 8  
 US-10-175-745-218  
 Sequence 218, Application US/10175746  
 Publication No. US20030027270A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Dernorge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filarovoff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gartner, Mary E.  
 APPLICANT: Goddard, Rudney  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumans, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME  
 FILE REFERENCE: P3309RIC353  
 CURRENT APPLICATION NUMBER: US10/175,746  
 CURRENT FILING DATE: 2002-06-19  
 PRIORITY APPLICATION NUMBER: US10/140,470  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO: 218  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-175-745-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
 Best Local Similarity 21.8%; Pred. No. 2.8; Mismatches 54; Indels 66; Gaps 9;  
 Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

RESULT 9  
 US-10-176-918-218  
 Sequence 218, Application US/10176918  
 Publication No. US20030027275A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin

TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 FILE REFERENCE: F330RC288  
 CURRENT APPLICATION NUMBER: US/10/176,921  
 CURRENT FILING DATE: 2002-06-20  
 PRIORITY APPLICATION removed - See File Wrapper or Palm  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO: 218  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Homo Sapien

US-10-176-921-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
 Best Local Similarity 21.8%; Pred. No. 2.8; Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9; Gaps 9; Gaps 9;

QY 14 SOMMTTFLPF----PSTGVLCTLTWIKPSADCGPGRGPLEHSI---- 62  
 Db 4 AQLATIVFSDFLIKEPTPEPKRKLRLAV----DRMTCIAV-GipLULISRAOE 57  
 QY 63 -----YSW----IDPLSTRPGLYWVWYRNLLGS----VHEFF-- 93  
 Db 5B ISIGTOISCHSPSPSEPSKROAFVDS----YCWAAVQOKNSQSGNSQESGNPLWIKRFPY 111  
 QY 94 --ILTLIVLILTYLWYDTEGRKIMRLAEQDINECKDMELEKIKLQDMEKANPS 151  
 Db 112 ILLFLILIPPLPFLWRFANPHIC-----SDKFTMELDKVYNAIKRANKS 159  
 QY 152 SLYVERRE 159  
 Db 112 ILLFLILIPPLPFLWRFANPHIC-----SDKFTMELDKVYNAIKRANKS 159  
 QY 152 SLYVERRE 159  
 Db 160 ARDIDMRD 167

RESULT 11  
 US-10-137-865-218  
 Sequence 218, Application US/10/137865  
 Publication No. US20030032155A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: F330RC154  
 CURRENT APPLICATION NUMBER: US/10/137,865  
 CURRENT FILING DATE: 2002-05-03  
 PRIORITY APPLICATION removed - See Palm or File Wrapper  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO: 218  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Homo Sapien

US-10-137-865-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
 Best Local Similarity 21.8%; Pred. No. 2.8; Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9; Gaps 9; Gaps 9;

QY 14 SOMMTTFLPF----PSTGVLCTLTWIKPSADCGPGRGPLEHSI---- 62

Db 4 AQLATIVYVFSDFLKEPTEPKFGRLLEAV---DKMTCTAV-GPLLLISLFAQE 57  
 QY 63 -----YSW-----IDPLSTRPGYLVWVWYRNLIQS-----VHFF-- 93  
 Db 58 ISIGTOQISCFSPSSFWQQAQFVDS-----YCWAVQKNSLQSESGNPLWHLHFPY 111  
 QY 94 --ILTLIVLILTYWQTEGRKIMRLHQIINEGRDKPLFLKLQOMEKANPS 151  
 Db 112 ILLFLFLVLPFLPWFRAAPHIC-----SDLKFINEELDKVYNAIKAKS 159  
 QY 152 SLVLERE 159  
 ; : : : :  
 Db 160 ARDLDRD 167

RESULT 12

US-10-140-474-218

; Sequence 218, Application US/10140474

; Publication No. US20030036179A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: Delforge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Oiang

; APPLICANT: Gortz, Maureen

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C162

; CURRENT APPLICATION NUMBER: US/10/140,474

; CURRENT FILING DATE: 2002-05-10

; CURRENT FILING DATE: 2002-05-10

; PRIORITY APPLICATION REMOVED - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 218

; LENGTH: 426

; TYPE: PRF

; ORGANISM: Homo Sapien

; US-10-142-431-218

; Query Match 8.0%; Score 80; DB: 9; Length 426;

; Best Local Similarity 21.8%; Pred. No. 2.8; Mismatches 41; Conservative 27; MisMatches 54; Indels 66; Gaps 9;

; Matches 41; Conservative 27; MisMatches 54; Indels 66; Gaps 9;

; QY 14 SOMMTPFILPF-----PSFTGVLCUTIAITIWRKPSADCGPFRGLHLHSI----- 62  
 Db 4 AQLATIVYVFSDFLKEPTEPKFGRLLEAV---DKMTCTAV-GPLLLISLFAQE 57  
 QY 63 -----YSW-----IDPLSTRPGYLVWVWYRNLIQS-----VHFF-- 93  
 Db 58 ISIGTOQISCFSPSSFWQQAQFVDS-----YCWAVQKNSLQSESGNPLWHLHFPY 111  
 QY 94 --ILTLIVLILTYWQTEGRKIMRLHQIINEGRDKPLFLKLQOMEKANPS 151  
 Db 112 ILLFLFLVLPFLPWFRAAPHIC-----SDLKFINEELDKVYNAIKAKS 159  
 QY 152 SLVLERE 159  
 ; : : : :  
 Db 160 ARDLDRD 167

RESULT 14

US-10-143-114-218

; Sequence 218, Application US/10143114

; Publication No. US2003003180a1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: Delforge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Oiang

; APPLICANT: Gortz, Maureen

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Stewart, Timothy A.

RESULT 13

APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: P330R0C211  
 CURRENT APPLICATION NUMBER: US/10/43,114  
 CURRENT FILING DATE: 2002-05-09  
 PCT/US APPLICATION removed - See Palm or File wrapper  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO: 218  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-143-114-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
 Best Local Similarity 21.8%; Pred. No. 2, 8; Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;  
 Best Local Similarity 21.8%; Pred. No. 2, 8; Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;  
 Qy 14 SQMMTFFFLFEP----PSFTGVLCNLAITIWRKPSADCGPFRGLPLIHSI---- 62  
 Db 4 AQLATEYYFSDPFLKEPTERPKFGRLRLELAV----DKMVTCIAV-GIPLLISLAFAQE 57  
 Qy 63 -----VSW-----IDPLSRRPGYLWVWVWYRNLGS-----VHFFP-- 93  
 Db 58 ISIGTQISCFSPSSFSWRQAFVDS----YCWAAVOKNSLASESGNLPPLWLHKFPY 111  
 Qy 94 --ITLIVLILTYLWQTEGRKIMRLHEQIINBGCKDNFLTEKLKLQDMEKKANPS 151  
 Db 112 ILLIPAIILYLYLWQTEGRKIMRLHEQIINBGCKDNFLTEKLKLQDMEKKANPS 159  
 Qy 152 SLVLERE 159  
 Db 160 ARDLDMDR 167

RESULT 15  
 US-10-140-002-218  
 Sequence 218, Application US/10140002  
 Publication No. US20030037623A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Detorge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Silien  
 APPLICANT: Gao, Wei Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: P330R0C59  
 CURRENT APPLICATION NUMBER: US/10/140,002  
 CURRENT FILING DATE: 2002-05-06  
 PCT/US APPLICATION removed - See Palm or File wrapper  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO: 218  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-140-002-218

Search completed: April 16, 2003, 13:10:21  
 Job time : 22 secs

GenCore version 5.1.3  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 23, 2003, 12:45:00 ; Search time 40 Seconds  
(without alignments)  
4370.144 Million cell updates/sec

Title: US-09-895-298a-32\_COPY\_63\_632

Perfect score: 570

Sequence: 1. atgtatgtatccagtcctc.....aaagaaatccaaaggcc 570

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%  
Listing first 45 summaries

Database : Issued Patents NA:\*

1: /cgn2.6/ptodata/1/ina/5A\_COMB.seq:\*

2: /cgn2.6/ptodata/1/ina/5B\_COMB.seq:\*

3: /cgn2.6/ptodata/1/ina/6A\_COMB.seq:\*

4: /cgn2.6/ptodata/1/ina/6B\_COMB.seq:\*

5: /cgn2.6/ptodata/1/ina/PCTM5\_COMB.seq:\*

6: /cgn2.6/ptodata/1/ina/bacfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Match	Length	DB ID	Description
1	53.2	9.3	7218	1	US-08-232-463-14
2	42.6	7.5	7218	1	US-08-232-463-14
3	35.9	6.1	1142	3	US-09-672-850-3
4	34.8	6.1	2394	3	US-09-027-064-1
5	34.8	6.1	2394	4	US-09-271-815-1
6	34.0	6.0	3483	4	US-09-130-491-3
7	33.4	5.9	1309	4	US-09-131-001C-1509
8	33.4	5.9	3552	3	US-08-714-918-63
9	33.4	5.9	3592	4	US-09-265-315-63
10	33.4	5.9	3592	4	US-09-265-315-63
11	33.4	5.9	3592	4	US-09-266-417-63
12	33.3	5.8	683	4	US-08-812-16D-37
13	32.8	5.8	282	4	US-09-461-697-205
14	32.8	5.8	306	4	US-09-461-697-203
15	32.8	5.8	696	4	US-09-461-697-203
16	32.8	5.8	699	4	US-09-461-697-201
17	32.8	5.8	717	4	US-09-461-697-189
18	32.8	5.8	774	4	US-09-461-697-187
19	32.8	5.8	819	4	US-09-461-697-185
20	32.8	5.8	1488	4	US-09-131-001C-291
21	32.8	5.8	1669	4	US-09-461-697-184
22	32.2	5.6	567	4	US-09-134-001C-1412
23	31.8	5.6	289	4	US-09-244-796-17
24	31.8	5.6	289	4	US-09-244-796-17
25	31.8	5.6	2255	2	US-08-711-134-1
26	31.8	5.6	4089	4	US-09-134-001C-2118

**ALIGNMENTS**

Query Match	Score	DB ID	Description
1	53.2	9.3	Sequence 14, Appl
2	42.6	7.5	Sequence 14, Appl
3	35.9	6.1	Sequence 3, Appl
4	34.8	6.1	Sequence 1, Appl
5	34.8	6.1	Sequence 3, Appl
6	34.0	6.0	Sequence 1509, Appl
7	33.4	5.9	Sequence 63, Appl
8	33.4	5.9	Sequence 63, Appl
9	33.4	5.9	Sequence 63, Appl
10	33.4	5.9	Sequence 63, Appl
11	33.4	5.9	Sequence 63, Appl
12	33.3	5.8	Sequence 37, Appl
13	32.8	5.8	Sequence 205, Appl
14	32.8	5.8	Sequence 203, Appl
15	32.8	5.8	Sequence 193, Appl
16	32.8	5.8	Sequence 191, Appl
17	32.8	5.8	Sequence 189, Appl
18	32.8	5.8	Sequence 187, Appl
19	32.8	5.8	Sequence 185, Appl
20	32.8	5.8	Sequence 291, Appl
21	32.8	5.8	Sequence 184, Appl
22	32.2	5.6	Sequence 1412, Appl
23	31.8	5.6	Sequence 17, Appl
24	31.8	5.6	Sequence 17, Appl
25	31.8	5.6	Sequence 1, Appl
26	31.8	5.6	Sequence 2118, Appl

Query Match 9.3%; Score 53.2; DB 1; Length 7218;





RESULT 7 QY 292 AT 293  
 US-09-134-001C-1509 Application US/09134001C  
 Sequence 1509, Application US/09134001C  
 Patent No. 6380370  
 GENERAL INFORMATION:  
 APPLICANT: Lyon Doucette-Stamm et al  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
 TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
 FILE REFERENCE: GTC-007  
 CURRENT FILING DATE: 1998-08-13  
 PRIORITY APPLICATION NUMBER: US 60/064,964  
 PRIORITY FILING DATE: 1997-11-08  
 PRIORITY FILING DATE: 1997-08-14  
 NUMBER OF SEQ ID NOS: 5674  
 SEQ ID NO: 1509  
 LENGTH: 1335  
 TYPE: DNA  
 ORGANISM: staphylococcus epidermidis  
 US-09-134-001C-1509 Application US/09134001C  
 Query Match 5.9%; Score 33:4; DB 4; Length 1335;  
 Best Local Similarity 54.5%; Pred. No. 1; 4; Mismatches 56; Indels 0; Gaps 0;  
 Matches 67; Conservative 0; Mismatches 56; Indels 0; Gaps 0;  
 QY 319 TGGCAGATCAGAGAGGGAGATTATGATAGAAGGCTGCTCATGAGCAGATCATTAAT 378  
 Db 992 TGCAGATGTCAGACTCAATTCATGAGAGGCTATTGATCAGTATTCGATTAAT 1051  
 QY 379 GAGGGCAGAGTAATAGTTCCTGATGAGAATGATCAGCAGCAGATGGAGAG 438  
 Db 1052 TAGATGAAATATACATGATTAGATGAGCAGATCAGATAACGATTCAAGTAGGGCAAG 1111  
 QY 439 AAA 441  
 Db 1112 TAA 1114

RESULT 8 US-08-714-918-63/C  
 Sequence 63, Application US/08714918  
 Patent No. 6037123  
 GENERAL INFORMATION:  
 APPLICANT: Benton, Bret  
 APPLICANT: Lee, Ving J.  
 APPLICANT: Malouin, Francois  
 APPLICANT: Martin, Patrick K.  
 APPLICANT: Schmid, Molly B.  
 APPLICANT: Sun, Dongxu  
 TITLE OF INVENTION: STAPHYLOCOCCUS AUREUS ANTIBACTERIAL  
 TITLE OF INVENTION: TARGET GENES  
 NUMBER OF SEQUENCES: 111  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Lyon & Lyon  
 STREET: 633 West Fifth Street  
 STREET: Suite 4700  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: U.S.A.  
 ZIP: 90071-2066

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
 MEDIUM TYPE: storage  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: IBM P.C. DOS 5.0  
 SOFTWARE: Word Perfect 5.1  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08714-918  
 FILING DATE: September 13, 1996  
 CLASSIFICATION: 424  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 60/009,102  
 FILING DATE: December 22, 1995  
 APPLICATION NUMBER: 60/003,798  
 FILING DATE: September 15, 1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: WATBURG, Richard J.  
 REGISTRATION NUMBER: 32,327  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1500  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 63:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3592 base Pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 US-08-714-918-63

Query Match 5.9%; Score 33:4; DB 3; Length 3592;  
 Best Local Similarity 48.2%; Pred. No. 2; 4; Mismatches 87; Indels 0; Gaps 0;  
 Matches 82; Conservative 1; Mismatches 87; Indels 0; Gaps 0;  
 QY 143 ACTGTTGGCCTTTCGAGGTCTGCCTCTCTCATCTACATCAGCTGGATCCACA 202  
 Db 710 ACTTCTAGCTTATTATGAGCTTCTTGTGACGCCAGCTGAACTCTGAGAGCCNGCNGA 651  
 QY 203 CCTCTAGACAGGCCGCTGCTACAGCTGAGATGGATCTAGGAACTCTGATGGAA 262  
 Db 650 CCTCTCATCAGCTAGATGGATATCCAGCTGCTTGTGCTCTTAAAGCCTACATGAA 591  
 QY 263 GTGGCAGCTCTTCACTCCACCCCTCATGCTATCATACCTTACCTTAC 312  
 Db 590 GTTNGAATGCTCAGTATCCTTACCTTACCTTACAGTGTAAACACAGTT 541

RESULT 9 US-09-265-315-63/C  
 Sequence 63, Application US/09265315  
 Patent No. 6181541  
 GENERAL INFORMATION:  
 APPLICANT: Benton, Bret  
 APPLICANT: Lee, Ving J.  
 APPLICANT: Malouin, Francois  
 APPLICANT: Martin, Patrick K.  
 APPLICANT: Schmid, Molly B.  
 APPLICANT: Sun, Dongxu  
 TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS  
 TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS  
 TITLE OF INVENTION: TARGET GENES  
 NUMBER OF SEQUENCES: 111  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Lyon & Lyon  
 STREET: 633 West Fifth Street  
 STREET: Suite 4700  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: U.S.A.  
 ZIP: 90071-2066

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
 MEDIUM TYPE: storage  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: IBM P.C. DOS 5.0  
 SOFTWARE: Word Perfect 5.1  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/265,315

FILING DATE: March 9, 1999

CLASSIFICATION: 435

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/714,918

FILING DATE: September 13, 1996

APPLICATION NUMBER: 60/009,102

FILING DATE: December 22, 1995

APPLICATION NUMBER: 60/003,798

FILING DATE: September 15, 1995

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 240/247

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 63:

SEQUENCE CHARACTERISTICS:

LENGTH: 3592 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-265-315-63

Query Match 5.9%; Score 33.4; DB 4; Length 3592;  
 Best Local Similarity 48.2%; Pred. No. 2.4; Matches 82; Conservative 1; Mismatches 87; Indels 0; Gaps 0;

Qy 143 ACTGTGGCCCTTTCGAGCTCCTCTCTTCATCTACCCATCTACAGCTGGATGACA 202  
 Db 710 ACTTGTAGCTTATTANAGCTTCTTACGGACCAAGTAAACACTCAGAGCGCNAGCNGAA 651

Qy 203 CCCPAAGTACAGGCGCTGCTACCTGCTGGTTGAGCTATCGGAAACCTCTTGA 262  
 Db 650 CCTTCATTCATCACTAGATGAGATATCAGCTCTTGTGCTCTTAAAGCATTTAGAA 591

Qy 263 GTGGCACTCTTTCATCCACCCATGCTAAATCATACCACTAT 312  
 Db 590 GTTNGAATGCTGCTGATCTTACCTTGTAGTTAACACAGTTT 541

RESULT 10

US 09-265-315-63/c

Sequence 63, Application US/09265315  
; Patient No. 6187541

GENERAL INFORMATION:

APPLICANT: Benton, Bret

APPLICANT: Lee, Ying J.

APPLICANT: Malouin, Francois

APPLICANT: Martin, Patrick K.

APPLICANT: Schmid, Molly B.

APPLICANT: Sun, Dongxu

TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS

ACTIVE ON STAPHYLOCOCCUS AUREUS

TITLE OF INVENTION: TARGET GENES

NUMBER OF SEQUENCES: 111

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon &amp; Lyon

STREET: 633 West Fifth Street

STREET: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 MB

MEDIUM TYPE: Storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/265,315

FILING DATE: March 9, 1999

CLASSIFICATION: 435

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/714,918

FILING DATE: September 13, 1996

APPLICATION NUMBER: 60/009,102

FILING DATE: December 22, 1995

APPLICATION NUMBER: 60/003,798

FILING DATE: September 15, 1995

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 240/247

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 63:

SEQUENCE CHARACTERISTICS:

LENGTH: 3592 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-265-315-63

Query Match 5.9%; Score 33.4; DB 4; Length 3592;  
 Best Local Similarity 48.2%; Pred. No. 2.4; Matches 82; Conservative 1; Mismatches 87; Indels 0; Gaps 0;

Qy 143 ACTGTGGCCCTTTCGAGCTCCTCTCTTCATCTACCCATCTACAGCTGGATGACA 202  
 Db 710 ACTTGTAGCTTATTANAGCTTCTTACGGACCAAGTAAACACTCAGAGCGCNAGCNGAA 651

Qy 203 CCCPAAGTACAGGCGCTGCTACCTGCTGGTTGAGCTATCGGAAACCTCTTGA 262  
 Db 650 CCTTCATTCATCACTAGATGAGATATCAGCTCTTGTGCTCTTAAAGCATTTAGAA 591

Qy 263 GTGGCACTCTTTCATCCACCCATGCTAAATCATACCACTAT 312  
 Db 590 GTTNGAATGCTGCTGATCTTACCTTGTAGTTAACACAGTTT 541

RESULT 11

US 09-266-417-63/c

Sequence 63, Application US/09266417  
; Patient No. 6220588

GENERAL INFORMATION:

APPLICANT: Benton, Bret

APPLICANT: Lee, Ying J.

APPLICANT: Malouin, Francois

APPLICANT: Martin, Patrick K.

APPLICANT: Schmid, Molly B.

APPLICANT: Sun, Dongxu

TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS

ACTIVE ON STAPHYLOCOCCUS AUREUS

TITLE OF INVENTION: TARGET GENES

NUMBER OF SEQUENCES: 111

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon &amp; Lyon

STREET: 633 West Fifth Street

STREET: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 MB

MEDIUM TYPE: Storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/266,417

REGISTRATION NUMBER: 35,424  
 REFERENCE/DOCKET NUMBER: 50767/00010  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (416) 863-4344  
 FAX: (416) 863-2653  
 INFORMATION FOR SEQ ID NO: 37:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 683 base pairs  
 STRANDEDNESS: single  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLogy: linear  
 US-09-266-417-63

Query Match 5.9%; Score 33.4; DB 4; Length 3592;  
 Best Local Similarity 48.2%; Pred. No. 2.4; Mismatches 87; Indels 0; Gaps 0;  
 B2; Conservatory 1; Mismatches 87; Indels 0; Gaps 0;

Qy 143 ACTGGCCCTTGGGTCGCCCTCTACTCCTACATCAGCTGATGGACA 202  
 Db 710 ACTTAGCTTATTANAGCTTTAGCGAACAGCTTGAGAGCAGNGAN 651

Qy 203 CCCPAAGTACAGGGCGCTGCTACCTGGGCTGCTGATGGAACTGGAA 262  
 Db 650 CCTCTATCAGTACAGGGATATGCTGCTGCTGCTGCTGCTGCTGCTG 591

Qy 263 GTGTCACCTCTTTCATCTGACCCATGGCTATGCTATCACCT 312  
 Db 590 GTTGGAAATGGCTGCTACATGGCTGCTGCTGCTGCTGCTGCTGCT 541

RESULT 12  
 US 08-882-164D-37  
 Sequence 37, Application US/08882164D  
 Patent No. 6,306624  
 GENERAL INFORMATION:  
 APPLICANT: Petkovich, P., Martin, White, JAY A'  
 TITLE OF INVENTION: Retinoid Metabolizing Protein  
 NUMBER OF SEQUENCES: 43  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Blake, Cassels & Graydon  
 STREET: Box 25, Commerce Court West  
 CITY: Toronto  
 STATE: Ontario  
 COUNTRY: Canada  
 ZIP: M5L 1A9  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3 1/2 inch, 1.4 Mb storage  
 COMPUTER: COMPAQ, IBM PC compatible  
 OPERATING SYSTEM: MS-DOS 5.1  
 SOFTWARE: WORD PERFECT  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08-882-164D  
 FILING DATE: June 25, 1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/667,546  
 FILING DATE: June 21, 1996  
 APPLICATION NUMBER: 08/724,466  
 FILING DATE: October 1, 1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hunt, John C.

Query Match 5.8%; Score 33.3; DB 4; Length 683;  
 Best Local Similarity 50.3%; Pred. No. 1.3; Mismatches 80; Indels 0; Gaps 0;  
 B2; Conservatory 0; Mismatches 80; Indels 0; Gaps 0;

Qy 349 ATAGGCTGTCCTGAGCACATTAATGAGGAAAGATTAATGTCCTGAGA 408  
 Db 29 ATAGGGAGAGACATTAATGAGGAAAGATTCAGCAGCTGAGAAGAG 88

Qy 409 AATTGGATCAGCAGCAGGATATGGAGAGAAAGAACCCAGCAGCTGCTGAGA 468  
 Db 89 GAGTTTTAACACACACACACACAGGAGGAGGAGAGATTTACTACATTAACTCA 148

Qy 469 AGGAGAGCAGGGAGCACAGGCTTTCGACTGGGCA 509  
 Db 149 AAGCTCTCAGAGCACCCGAAACCCCTCGGACTGGGCA 189

RESULT 13  
 US-09-461-697-205  
 Sequence 205, Application US/09461697  
 Patent No. 6,277974  
 GENERAL INFORMATION:  
 APPLICANT: COGENET, NEUROSCIENCE, INC.  
 APPLICANT: Lo, Donald C.  
 APPLICANT: Barney, Shawn  
 APPLICANT: Thomas, Mary Beth  
 APPLICANT: Portbury, Stuart D.  
 APPLICANT: Parhamian, Kasturi  
 APPLICANT: Katz, Lawrence C.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING  
 TITLE OF INVENTION: AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING  
 TITLE OF INVENTION: CELL DEATH  
 FILE REFERENCE: 10001-005-939  
 CURRENT APPLICATION NUMBER: US/09/461,697  
 NUMBER OF SEQ ID NOS: 466  
 SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0  
 SEQ ID NO: 205  
 LENGTH: 282  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-461-697-205

Query Match 5.8%; Score 32.8; DB 4; Length 282;  
 Best Local Similarity 54.0%; Pred. No. 0.92; Mismatches 57; Indels 0; Gaps 0;  
 B2; Conservatory 0; Mismatches 57; Indels 0; Gaps 0;

Qy 323 AGTCACAGGGAGGAGGAGATATGAGCTGCTCCTGAGCAGATTAATGAGG 382  
 Db 50 AGATGAAAGAGGGAGAGATGGAAAGAGGATAATGGAAATGAGAAGAGA 109

Qy 383 CCAAGCTAAATGTTCTGAGAAGAAATGCAAGTGCGGGATGAGGAGAAG 442  
 Db 110 TGCAGAAG 169

Qy 443 CAA 446  
 Db 170 AAAA 173

Search completed: April 23, 2003, 13:51:23  
Job time : 54 secs

RESULT 14  
; Sequence 203, Application US/09461697  
; PATENT NO. 627794  
; GENERAL INFORMATION:  
; APPLICANT: COGNENT NEUROSCIENCE, INC.  
; APPLICANT: LO, Donald C.  
; APPLICANT: Barney, Shawn  
; APPLICANT: Thomas, Mary Beth  
; APPLICANT: Portbury, Stuart D.  
; APPLICANT: Puranam, Kasuri  
; APPLICANT: Katz, Lawrence C.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING  
; TITLE OF INVENTION: AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING  
; FILE REFERENCE: 10001-005-999  
; CURRENT APPLICATION NUMBER: US/09/461,697  
; CURRENT FILING DATE: 1999-12-14  
; NUMBER OF SEQ ID NOS: 466  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; LENGTH: 306  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; US-09-461-697-203

Query Match 5.8%; Score 32.8; DB 4; Length 306;  
Best Local Similarity 54.0%; Pred. No. 0; 96; Mismatches 0; Gaps 0;  
Matches 67; Conservative 0; Indels 0; Gaps 0;

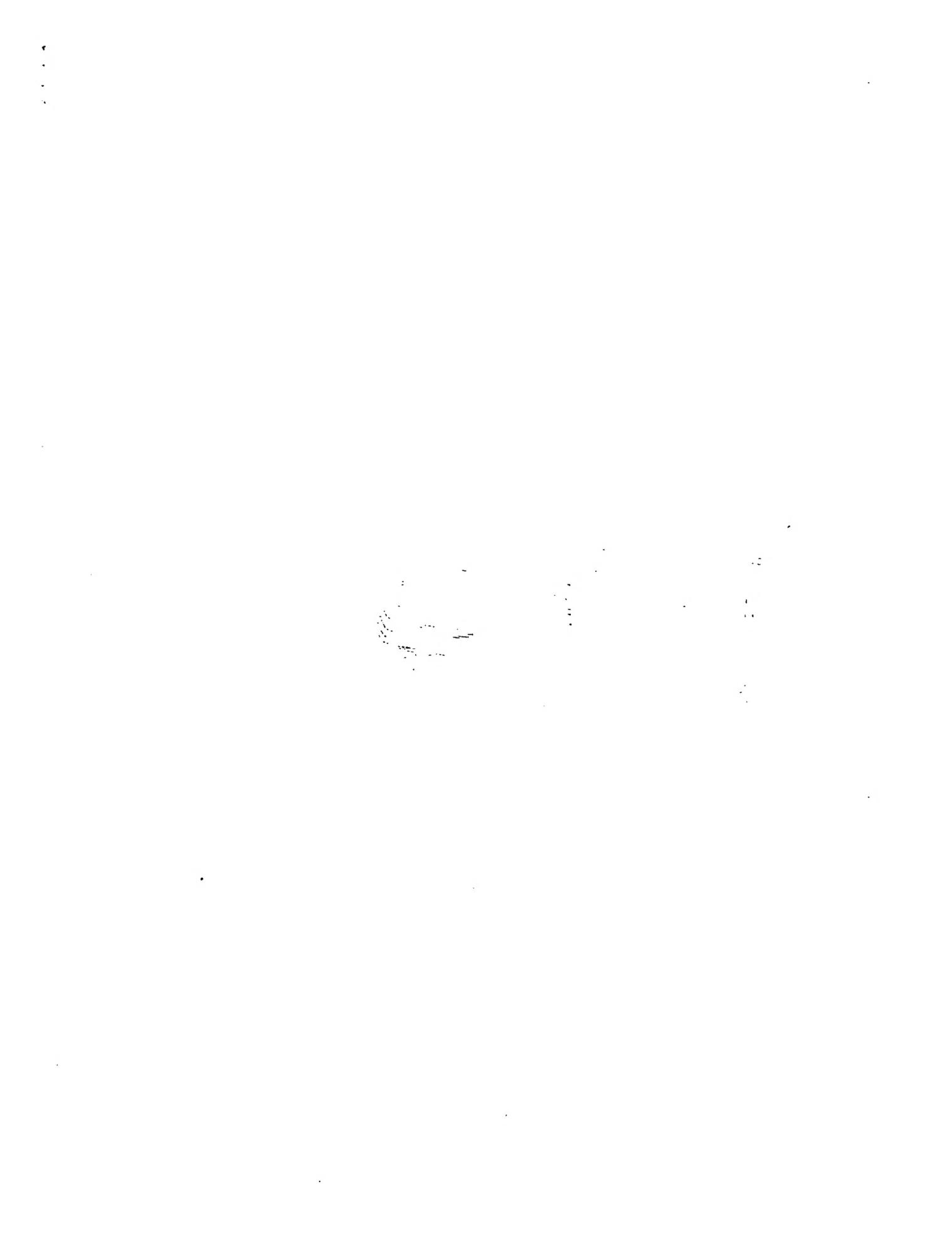
QY 323 AGATCACAGAGGAAAGAACATTAGAAGCTGCTCATGAGCACATCATATGAGG 382  
Db 294 AGATGAGGAAAGGAAAGATGGATAAAATGAAAGGAGAAGGAGAAGGAGAAGA 353

QY 383 GCAAGATATAATGCTCTGATAGAATATGATCAAGCTGAGATATGGAGAGAAG 442  
Db 354 TCCAAAGGAGAGATGGAAKAAKAGGTGAGACGGAAAGGAAATGGAGAGTCG 413

QY 443 CAAA 446  
Db 414 AAAA 417

RESULT 15  
US-09-461-697-193  
; Sequence 193, Application US/09461697  
; PATENT NO. 627794  
; GENERAL INFORMATION:  
; APPLICANT: COGNENT NEUROSCIENCE, Inc.  
; APPLICANT: LO, Donald C.  
; APPLICANT: Barney, Shawn  
; APPLICANT: Thomas, Mary Beth  
; APPLICANT: Portbury, Stuart D.  
; APPLICANT: Puranam, Kasuri  
; APPLICANT: Katz, Lawrence C.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING  
; TITLE OF INVENTION: AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING  
; TITLE OF INVENTION: CELL DEATH  
; FILE REFERENCE: 10001-005-999  
; CURRENT APPLICATION NUMBER: US/09/461,697  
; CURRENT FILING DATE: 1999-12-14  
; NUMBER OF SEQ ID NOS: 466  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 193  
; LENGTH: 696  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; US-09-461-697-193

Query Match 5.8%; Score 32.8; DB 4; Length 696;  
Best Local Similarity 54.0%; Pred. No. 1.5; Mismatches 0; Gaps 0;  
Matches 67; Conservative 0; Indels 0; Gaps 0;











Query Match 6.3%; Score 35.8; DB 9; Length 331;  
 Best Local Similarity 54.1%; Pred. No. 0.34; Mismatches 0;  
 Matches 73; Conservative 0; Indels 0; Gaps 0;

QY 152 CTTTTCGAGGCTGCGCCCTCTCATCCTACGTCATGAGCACCCCTAAGTA 211  
 Db 103 CTTTTCGAGGCTGCGCCCTCTCATCCTACGTCATGAGCACCCCTAAGTA 211  
 QY 212 CACGCGCTGCTGCCTCTCTGCTGTTGTTGTTGACTCTATGGCTCATGGAGA 222  
 Db 163 CACGCGCTGCTGCCTCTCTGCTGTTGTTGACTCTATGGCTCATGGAGA 222  
 QY 272 TCTTTTCATCTCA 286  
 Db 223 CCCGCCCTCCTCTGA 237

RESULT 9

US-09-981-353-62  
 Sequence 62, Application US/09981353  
 Patent No. US20020160382A1

GENERAL INFORMATION:

APPLICANT: Lasek, Amy W.  
 APPLICANT: Jones, David A.  
 TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER  
 FILE REFERENCE: PA-0038 US

CURRENT APPLICATION NUMBER: US/09/981,353  
 CURRENT FILING DATE: 2001-10-11  
 NUMBER OF SEQ ID NOS: 194  
 SEQ ID NO: 62

LENGTH: 1312  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: Incyte ID No. US20020160382A1 1804734CB1

US-09-981-353-62

Query Match 6.3%; Score 35.8; DB 9; Length 1312;  
 Best Local Similarity 54.1%; Pred. No. 0.8; Mismatches 0;  
 Matches 73; Conservative 0; Indels 0; Gaps 0;

QY 152 CTTTTCGAGGCTGCGCCCTCTCATCCTACGTCATGAGCACCCCTAAGTA 211  
 Db 733 CTTTTCGAGGCTGCGCCCTCTCATCCTACGTCATGAGCACCCCTAAGTA 211  
 QY 212 CACGCGCTGCTGCCTCTCTGCTGTTGTTGTTGACTCTATGGCTCATGGAGA 852  
 Db 793 CACGCGCTGCTGCCTCTGCTGTTGTTGACTCTATGGCTCATGGAGA 852  
 QY 272 TCTTTTCATCTCA 286  
 Db 853 CCCGCCCTCCTCTGA 867

RESULT 10

US-10-216-408-16  
 Sequence 16, Application US/10216408  
 Publication No. US20030013159A1

GENERAL INFORMATION:

APPLICANT: COHEN, MAURICE  
 COLFITT, TRACEY L.  
 FRIEDMAN, PAULA N.  
 GRANADOS, EDWARD N.  
 KLISS, MICHAEL R.  
 RUSSELL, JOHN C.  
 STROPE, STEVEN D.

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASE OF THE GASTROINTESTINAL

NUMBER OF SEQUENCES: 27

TRACT

RESULT 11

US-10-158-646-49  
 Sequence 49, Application US/10158646  
 Publication No. US20030073105A1

GENERAL INFORMATION:

APPLICANT: Lasek, Amy K.W.  
 APPLICANT: Sornasse, Thierry  
 TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER  
 FILE REFERENCE: PA-0030-1 US

CURRENT APPLICATION NUMBER: US/10158-646  
 CURRENT FILING DATE: 2002-03-29  
 PRIOR APPLICATION NUMBER: 60/295,239  
 PRIOR FILING DATE: 2001-05-31  
 NUMBER OF SEQ ID NOS: 78  
 SEQ ID NO: 49  
 LENGTH: 1324  
 TYPE: DNA  
 ORGANISM: Homo sapiens



Qy	272	TCTTTTCATCCTCA	286
Db	861	CCCCGCTCATCCTGA	875

US-09-925-299-67

Sequence 67, Application US/09925299  
Publication No. US20030040617A9  
GENERAL INFORMATION:

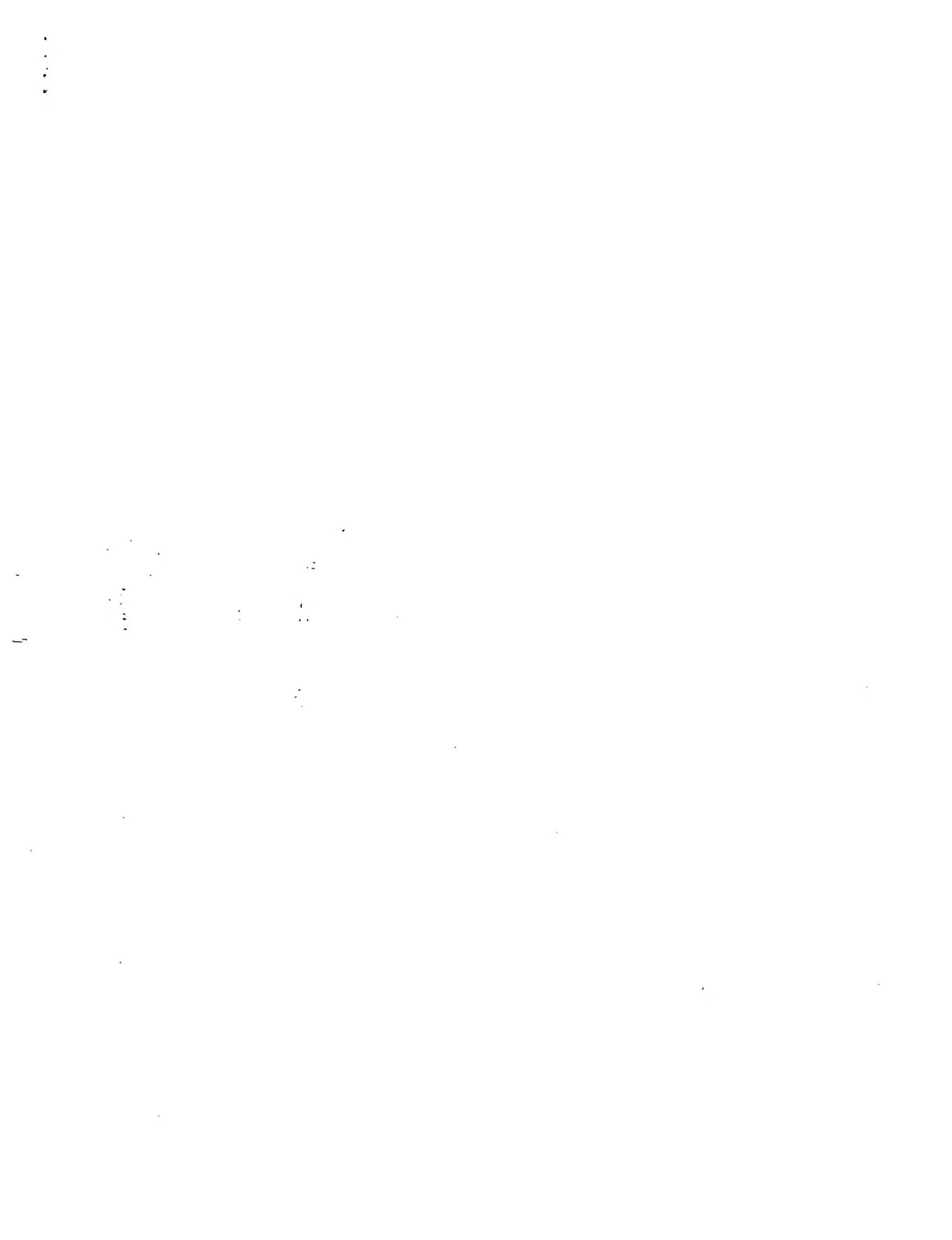
TITLE OF INVENTION: Nucleic Acids, Proteins  
FILE REFERENCE: PA1102  
CURRENT APPLICATION NUMBER: US109/925, 299  
CURRENT FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: PCT/US00/05983  
PRIOR FILING DATE: 2000-03-08  
PRIOR APPLICATION NUMBER: 60/124, 270  
PRIOR FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 1556  
SOFTWARE: Patentin ver. 2.0  
SEQ ID NO: 67

LENGTH: 1410  
TYPE: DNA  
ORGANISM: *Homo sapiens*  
US-09-925-299-67

Query Match 6.3%; Score 35.8; DB 9; Length 1410;  
 Best Local Similarity 54.1%; Pred. 0.84;  
 Matches 73; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Search completed: April 23, 2003, 14:57:59  
Job time : 106 secs

Job time : 106 secs



GenCore version 5.1.4\_p5\_4578  
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MM protein - protein search, using SW model

run on: April 16, 2003, 13:00:41 ; Search time 14 Seconds  
(without alignments)  
399.311 Million cell updates/sec

title: US-09-895-290A-83  
perfect score: 1002

sequence: 1 MMNFPQPSKAWRASQNMTEP..... HDGSLDPLRSRRSVOEGHPR A 190

scoring table: BLOSUM62  
Gappen 10.0 , Gapext 0.5

searched: 262574 seqs, 2942922 residues

total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Result No.	Score	Query Match	Length	DB ID	Description
1	79	7.9	496	4 US-09-134-001C-3001	Sequence 3001, API
2	77.5	7.7	2763	4 US-09-496-944-2	Sequence 2, API
3	75.5	7.5	312	4 US-09-134-001C-3458	Sequence 3458, API
4	73.5	7.3	412	4 US-09-134-001C-3449	Sequence 3449, API
5	73	7.3	467	4 US-09-134-001C-3020	Sequence 3020, API
6	73	7.3	496	1 US-09-137-51A-2	Sequence 2, API
7	73	7.3	496	2 US-09-768-3012	Sequence 2, API
8	73	7.3	1077	4 US-09-412-210-1	Sequence 1, API
9	71.5	7.1	400	4 US-09-351-198-2	Sequence 2, API
10	71.5	7.1	400	4 US-09-113-426-2	Sequence 2, API
11	71.5	7.1	415	4 US-09-405-271A-20	Sequence 20, API
12	71.5	7.1	1064	3 US-09-726-214A-8	Sequence 8, API
13	70.5	7.0	179	4 US-09-134-001C-4778	Sequence 4778, API
14	70.5	7.0	356	4 US-09-430-286A-2	Sequence 2, API
15	70.5	7.0	356	4 US-08-430-286A-5	Sequence 5, API
16	70.5	7.0	391	3 US-08-454-552-3	Sequence 3, API
17	70.5	7.0	391	3 US-08-454-552-3	Sequence 3, API
18	70.5	7.0	398	4 US-09-328-275-3	Sequence 3, API
19	70.5	7.0	398	4 US-09-331-198-3	Sequence 3, API
20	70.5	7.0	398	4 US-09-113-426-3	Sequence 3, API
21	70.5	7.0	400	3 US-08-889-889-1	Sequence 8, API
22	70.5	7.0	400	4 US-08-188-275A-2	Sequence 2, API
23	70.5	7.0	400	5 PCT-US94-10350-8	Sequence 8, API
24	70.5	7.0	494	4 US-09-134-001C-4475	Sequence 4475, API
25	70	7.0	1342	1 US-07-978-895-4	Sequence 4, API
26	70	7.0	1342	1 US-08-484-438-9	Sequence 9, API
27	70	7.0	1342	2 US-08-473-119-4	Sequence 4, API

SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARY

ALIGNMENT

CORRESPONDENCE ADDRESS:  
 ADDRESSE: CIBA-GEIGY corporation  
 STREET: 7 Skyline Drive  
 CITY: Hawthorne  
 STATE: NJ  
 COUNTRY: USA  
 ZIP: 10532

COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release 11.0, Version #1.30B  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/496,944  
 FILING DATE: US-08-496,944-2

CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmer, James Scott  
 REGISTRATION NUMBER: 36,129  
 REFERENCE/DOCKET NUMBER: CGC 1814  
 INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 2763 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-08-496,944-2

RESULT 3  
 Query Match 7.7%; Score 77.5; DB 3; Length 2763;  
 Best Local Similarity 20.5%; Pred. No. 12; Mismatches 26; Indels 25; Gaps 4;  
 Matches 27; Conservative 54; Indels 25; Gaps 4;

Qy 66 IDTUSLSTPGVLYWVYRNJGSVHFFLTILVLTLYWQNEGRKIM----- 116  
 Db 619 IRTK-----VWFFIDPDRFLVHFTVLSLTANTIVTMYKLIKQKQREDEYE 672  
 Qy 117 -----IRLHROITNGSKDKMFLKLTQLOMEEKKANPSSLVLRRVEQQFLHGER 171  
 Db 673 AELSEVRRIKHTIMEERKDNL-TCEQFIEYM---RXNHPRLVGTDLDTHTCIVHSGS 727  
 Qy 172 DGSIDRDRRSRYV 183  
 Db 728 NLETNLNEOSMAV 739

RESULT 4  
 Sequence 3458, Application US/09134001C  
 ; Sequence 3458, Application US/09134001C  
 ; Patent No. 6380370  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lynn Doucette-Stamm et al  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
 ; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
 ; FILE REFERENCE: GTC-007  
 ; CURRENT FILING NUMBER: US/09/134,001C  
 ; CURRENT FILING DATE: 1998-08-13  
 ; PRIOR APPLICATION NUMBER: US 60/064,964  
 ; PRIOR FILING DATE: 1997-11-08  
 ; PRIOR APPLICATION NUMBER: US 60/055,779  
 ; PRIOR FILING DATE: 1997-08-14  
 ; NUMBER OF SEQ ID NOS: 5674  
 ; SEQ ID NO: 3949  
 ; LENGTH: 412  
 ; TYPE: PRT  
 ; ORGANISM: staphylococcus epidermidis

US-09-134-001C-3949

RESULT 5  
 Sequence 3020, Application US/09134001C  
 ; Sequence 3020, Application US/09134001C  
 ; Patent No. 6380370  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lynn Doucette-Stamm et al  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
 ; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
 ; FILE REFERENCE: GTC-007  
 ; CURRENT FILING NUMBER: US/09/134,001C  
 ; CURRENT FILING DATE: 1998-08-13  
 ; PRIOR APPLICATION NUMBER: US 60/064,964  
 ; PRIOR FILING DATE: 1997-11-08  
 ; PRIOR APPLICATION NUMBER: US 60/055,779  
 ; PRIOR FILING DATE: 1997-08-14  
 ; NUMBER OF SEQ ID NOS: 5674  
 ; SEQ ID NO: 3020  
 ; LENGTH: 467  
 ; TYPE: PRT  
 ; ORGANISM: staphylococcus epidermidis

US-09-134-001C-3458

RESULT 3  
 Sequence 3458, Application US/09134001C  
 ; Sequence 3458, Application US/09134001C  
 ; Patent No. 6380370  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lynn Doucette-Stamm et al  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
 ; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
 ; FILE REFERENCE: GTC-007  
 ; CURRENT FILING NUMBER: US/09/134,001C  
 ; CURRENT FILING DATE: 1998-08-13  
 ; PRIOR APPLICATION NUMBER: US 60/064,964  
 ; PRIOR FILING DATE: 1997-11-08  
 ; PRIOR APPLICATION NUMBER: US 60/055,779  
 ; PRIOR FILING DATE: 1997-08-14  
 ; NUMBER OF SEQ ID NOS: 5674  
 ; SEQ ID NO: 3458  
 ; LENGTH: 312  
 ; TYPE: PRT  
 ; ORGANISM: Staphylococcus epidermidis

US-09-134-001C-3458

Query Match 7.5%; Score 75.5; DB 4; Length 312;  
 Best Local Similarity 24.6%; Pred. No. 1.1; Mismatches 33; Conservative 23; Indels 43; Gaps 7;

Qy 16 MMTPPEFLRPPSPFGVLL---CTLAITIRRIKISADCGP-----FRGFLPL--- 57

Qy 10 AWRAASQMTTERFLIFLFFPSFTGVLCTAIIWRLRPSADCAGPFRGL---PLTHSISWT- 66

Qy 58 -----FHSISYSDWLTSTRPGYL-WWVWYRNLIGSVHFFLTILV---LITY 104  
 Db 233 IWMITIFHAIKNISDNTRVRYGTYASFILVLOVIGALSVTINVNLIAFLHALFTY 292

Qy 105 IWWQTEGRKIMR 118  
 Db 293 IEGMIRYVFLMLR 306

RESULT 6  
US-08-137-614A-2  
Sequence 2, Application US/08137614A  
Patient No. 5487976  
GENERAL INFORMATION:  
APPLICANT: Soderlund, David M.  
APPLICANT: Knipke, Douglas C.  
APPLICANT: Henderson, Joseph E.  
TITLE OF INVENTION: Gene Encoding An Insect  
TITLE OF INVENTION: Gamma Aminobutyric Acid (GABA) Receptor Subunit  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon, Hangrave, Devans & Doyle  
STREET: Clinton Square, P.O. Box 1051  
CITY: Rochester  
STATE: New York  
COUNTRY: USA  
ZIP: 14603  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin, Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/137,614A  
FILING DATE: 15-OCT-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Timian, Susan J.  
REGISTRATION NUMBER: 34,103  
REFERENCE/DOCKET NUMBER: 19603/120  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (716)263-1636  
TELEFAX: (716)263-1600  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 496 amino acids  
TYPE: amino acid  
TOPOLGY: linear  
MOLECULE TYPE: protein  
US-08-137-614A-2

Query Match 7,3%; Score 73; DB 1; Length 496;  
Best Local Similarity 19.8%; Pred. No. 4;  
Matches 36; Conservative 36; Mismatches 80; Indels 30; Gaps 6;  
Qy 4 FOPPSKANRASMMMPFILPFPLPSPSTGVLCLAITWRLKPSADCGFRGIP--LFRHS 61  
Db 243 YQRLSLSLQLQNLNQGFFQTLPLPSLILMWS-VSWWNRHEASRVALGTTVLMIT 301  
Qy 62 IYSWIDTISTRPGYLMWVYIYNLIGSVHFFLTIVLTLITYWQTECRKTMRLH 121  
Db 302 ISTGVRSSLPRSYKADY--LVMCFVFEVALLAEYAVVYWM---GKRAKKKK 355  
Qy 122 EQINEK-----DKMFLIEKLKQMKDNEKANPSSLVLERREVEOOGFHLGHDG 174  
Db 356 VRECCGPKGKIGKSERSETCSTTIEDIELQDVRMSPIPS-----LRRGTYNAT 401  
Qy 175 LD 176  
Db 402 LD 403

RESULT 7  
US-08-768-301-2  
Sequence 2, Application US/08768301  
Patient No. 5854002  
GENERAL INFORMATION:  
APPLICANT: Tomalski, Michael D.  
APPLICANT: Gant, Daniel B.  
TITLE OF INVENTION: METHOD OF IDENTIFYING COMPOUNDS THAT BIND  
TITLE OF INVENTION: TO THE INSECT GABA RECEPTOR  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond  
STREET: 330 Rockefeller Plaza  
CITY: New York  
STATE: NY  
COUNTRY: U.S.A.  
ZIP: 10112-0228  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/768,301  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: MacLeod, Janet M.  
REGISTRATION NUMBER: 35,263  
REFERENCE/DOCKET NUMBER: A-0693  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-408-2500  
TELEFAX: 212-765-2519  
TELEX:  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 496 amino acids  
TYPE: amino acid  
STRANEDNESS: single  
TOPOLGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
US-08-768-301-2

Query Match 7,3%; Score 73; DB 2; Length 496;  
Best Local Similarity 19.8%; Pred. No. 4;  
Matches 36; Conservative 36; Mismatches 80; Indels 30; Gaps 6;  
Qy 4 FOPPSKANRASMMMPFILPFPLPSPSTGVLCLAITWRLKPSADCGFRGIP--LFRHS 61  
Db 243 YQRLSLSLQLQNLNQGFFQTLPLPSLILMWS-VSWWNRHEASRVALGTTVLMIT 301  
Qy 62 IYSWIDTISTRPGYLMWVYIYNLIGSVHFFLTIVLTLITYWQTECRKTMRLH 121  
Db 302 ISTGVRSSLPRSYKADY--LVMCFVFEVALLAEYAVVYWM---GKRAKKKK 355  
Qy 122 EQINEK-----DKMFLIEKLKQMKDNEKANPSSLVLERREVEOOGFHLGHDG 174  
Db 356 VRECCGPKGKIGKSERSETCSTTIEDIELQDVRMSPIPS-----LRRGTYNAT 401  
Qy 175 LD 176  
Db 402 LD 403

RESULT 8  
US-09-412-210-1  
; Sequence 1, Application US/09412210  
; Patent No. 6403358  
; GENERAL INFORMATION:  
; APPLICANT: Kopeiller-Libermann, Rosana  
; TITLE OF INVENTION: 21229, A NOVEL ADENYLATE CYCLASE  
; FILE REFERENCE: 5800-47  
; CURRENT APPLICATION NUMBER: US/09/412,210  
; CURRENT FILING DATE: 1999-10-05  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: FASTSEQ for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 1077  
; TYPE: PRY  
; ORGANISM: Homo sapiens  
; US-09-412-210-1

Query Match 7.3%; Score 73; DB 4; Length 1077;  
Best Local Similarity 25.0%; Pred. No. 11; Mismatches 39; Indels 40; Gaps 7;  
Matches 33; Conservative 20; Mismatches 39; Indels 40; Gaps 7;

Qy 20 RIFLULFPSPFGVCIATIWRKPSADCGPFGRGLPLFTHSYWID-----TL 69  
Db 729 FLSCSFLHMSFEKLILLW-----ASCS-----LEHS-HAWLSECLIVRIGL 778  
Qy 70 STRPGFLWVWVWVYRNLLGSVWPF-FILTLVILVLYW-----DINTER 113  
Db 779 DSRPGVLL-----KEPKLMAISFFIFPFTLILARQHVVYGRDPLWKKLQRQERETUM 834  
Qy 114 KEMIRLHEII 125  
Db 835 ENTRRILLEENL 846

RESULT 9  
US-09-351-198-2  
; Sequence 2, Application US/09351198  
; Patent No. 6335168  
; GENERAL INFORMATION:  
; APPLICANT: Kreek, Mary J  
; APPLICANT: LaForge, Karl S  
; APPLICANT: Tu, Lei  
; APPLICANT: Tischfield, Jay A.  
; TITLE OF INVENTION: ALLELES OF THE HUMAN MU OPIOID RECEPTOR, DIAGNOSTIC  
; TITLE OF INVENTION: METHODS OF USING SAID ALLELES, AND METHODS OF TREATMENT  
; FILE REFERENCE: 600-1-226N  
; CURRENT APPLICATION NUMBER: US/09/351,198  
; CURRENT FILING DATE: 1999-07-09  
; EARLIER APPLICATION NUMBER: 60/0992,402  
; EARLIER FILING DATE: 1998-07-10  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 400  
; TYPE: PRY  
; ORGANISM: Homo sapiens  
; US-09-351-198-2

Query Match 7.1%; Score 71.5; DB 4; Length 400;  
Best Local Similarity 22.4%; Pred. No. 4.5; Mismatches 23; Indels 37; Gaps 6;  
Matches 30; Conservative 23; Mismatches 23; Indels 37; Gaps 6;

Qy 25 FPPSTGIV-LCTLAATIWRKPSADCGPFGRGLPL-----FTHSYWID----- 66  
Db 150 YNMSTTSITLCHMSVD-----RYIAVCHPVVALDRPRNAKITINVNLSSAIGLPM 205  
Qy 67 -DTLSTRG-----YLVWVWVYRNLLGSVWPF-FILTLVILVLYW-----QTEGRKIMI 117  
Db 206 FMATKQYROSIDCTLFPSHTWVWENLVKCVFIAFIMPVLVY-----GLMIL 259  
Qy 118 RLHQSQINNECKK 131  
Db 260 RLKSVMLMSGKEK 273

RESULT 11  
US-08-405-271A-20  
; Sequence 20, Application US/08405271A  
; Patent No. 6132652  
; GENERAL INFORMATION:  
; APPLICANT: Evans, Christopher J.  
; APPLICANT: Keith, Diane E.  
; TITLE OF INVENTION: OPIOID RECEPTOR GENES  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: MORRISON & FOERSTER  
; STREET: 2000 PENNSYLVANIA AVENUE, NW, Suite 5500  
; CITY: WASHINGTON  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20006-1888  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOSSMS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/405,271A  
; FILING DATE: 14-MAR-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Morashige, Kate H.  
; REGISTRATION NUMBER: 29,359  
; REFERENCE/DOCKET NUMBER: 22000-20526-22

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 887-1500  
 TELEFAX: (202) 887-0763  
 TELEX: 90-4030 MRENFORSH  
 INFORMATION FOR SEQ ID NO: 20:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 415 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear

FEATURE:  
 NAME/KEY: Modified-site  
 LOCATION: group(9, 12, 33, 40, 48)  
 OTHER INFORMATION: /note= "extracellular Asn residues  
 OTHER INFORMATION: that are consensus sites for N-linked glycosylation"  
 US-08-405-271A-20

RESULT 12  
 US-08-726-214-B  
 ; Sequence 8, Application US/08726214  
 ; Patent No. 6107056  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tang, Wei-Jen  
 ; TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE  
 ; TITLE OF INVENTION: AND USES THEREFOR  
 ; NUMBER OF SEQUENCES: 31  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Arnold, White & Durkee  
 ; STREET: P.O. Box 4433  
 ; CITY: Houston  
 ; STATE: Texas  
 ; COUNTRY: United States of America  
 ; ZIP: 77210  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/726,214  
 FILING DATE: Concurrently herewith  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 60/005,498  
 FILING DATE: 04-OCT-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Highlander, Steven L.  
 REGISTRATION NUMBER: 37,642  
 REFERENCE/DOCKET NUMBER: UTED:450  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (512) 418-3000  
 TELEFAX: (512) 474-7577  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1064 amino acids

RESULT 13  
 US-09-134-001C-4778  
 ; Sequence 8, Application US/09134001C  
 ; Patent No. 6180370  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lynn Doucette-Stamm et. al  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
 ; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
 ; FILE REFERENCE: STC-007  
 ; CURRENT APPLICATION NUMBER: US/09/134, 001C  
 ; CURRENT FILING DATE: 1998-08-13  
 ; PRIOR APPLICATION NUMBER: US 60/064, 964  
 ; PRIOR FILING DATE: 1997-11-08  
 ; PRIOR APPLICATION NUMBER: US 60/055, 779  
 ; PRIOR FILING DATE: 1997-08-14  
 ; NUMBER OF SEQ ID NOS: 5674  
 ; SEQ ID NO 4778  
 ; LENGTH: 179  
 ; TYPE: PRT  
 ; ORGANISM: Staphylococcus epidermidis  
 US-09-134-001C-4778

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 Best Local Similarity 21.4%; Pred. No. 2;  
 Matches 22; Conservative 23; Mismatches 23; Indels 35; Gaps 5;  
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 Db 36 IVPDQWSKWLITISMKYGDSYEITPNFLNIT-SHRNNGANGILSGKMFYITILLI 94  
 Query 102 ITYIWLQWIEGR-----KIMRLHLHQIN 126  
 Db 95 VIVIFY-IKEAQENLPMQVAISLLPAGAGLGNFDRLVHGEVD 136

RESULT 14  
 US-08-430-286A-2  
 ; Sequence 2, Application US/08430286A  
 ; Patent No. 6225080  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Uhl, George R.  
 ; APPLICANT: Eppeler, C. Mark  
 ; APPLICANT: Wang, Jai-Bel  
 ; TITLE OF INVENTION: Mu-Subtype Opioid Receptor  
 ; NUMBER OF SEQUENCES: 14  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Darby & Darby PC  
 ; STREET: 805 Third Avenue  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: US  
 ; ZIP: 10022  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible

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REGISTRATION NUMBER: 33-448
REFERENCE NUMBER: 0646/1A8443-US5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-527-7700
TELEFAX: 212-753-6237
TELEMAIL: 236687
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 356 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Protein
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE: Rattus rattus
ORGANISM: Rattus rattus
IMMEDIATE SOURCE:
CLONE: NUOR-1
US-08-430-286A-5

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Db 106 YVNMFTSIFTCTMSVD---RTVAVCHPWLADLPRTPRNAKVYCNWLSSAIGLPM 161
OY 67 --DTLSTRPG-----YIWWVWYIRNLIGSWHFPILLIVLILYIYQWITEGRKMI 117
Db 162 FMTATVYRQGSDCILTFRSHPTWYWNULKICVTFIMPVLLIVTCY-----GLMIL 215
OY 118 RLHEQIINEGKDK 131
Db 215 RLKSVMLSSGSKKEK 229

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Job time : 16 secs

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OM protein - protein search, using sw model

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798.147 Million cell updates/sec

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Scoring table: GapP 60.0 , Gapext 60.0

Searched: 288829 seqs, 75613985 residues

Word size : 4

Total number of hits satisfying chosen parameters: 100279

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	31	16.3	US-09-864-761-36952	Sequence 36952, A
2	7	3.7	US-10-051-931-166	Sequence 166, App
3	7	3.7	US-09-764-846-166	Sequence 166, App
4	6	3.2	US-09-764-846-166	Sequence 166, App
5	6	3.2	US-09-764-846-166	Sequence 166, App
6	6	3.2	US-09-764-846-166	Sequence 166, App
7	6	3.2	US-09-764-846-166	Sequence 166, App
8	6	3.2	US-09-764-846-166	Sequence 166, App
9	6	3.2	US-09-764-846-166	Sequence 166, App
10	6	3.2	US-09-764-846-166	Sequence 166, App
11	6	3.2	US-09-764-846-166	Sequence 166, App
12	6	3.2	US-09-764-846-166	Sequence 166, App
13	6	3.2	US-09-764-846-166	Sequence 166, App
14	6	3.2	US-09-764-846-166	Sequence 166, App
15	6	3.2	US-09-796-692-779	Sequence 397, App
16	6	3.2	US-09-796-692-1111	Sequence 1137, App
17	6	9	US-09-796-692-1124	Sequence 45641, A
18	6	9	US-09-796-692-1425	Sequence 1017, App
19	6	9	US-09-796-692-1577	Sequence 1134, App

ALIGNMENTS

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2	7	3.7	US-09-864-761-44182	Sequence 44182, Application US/09864761
3	7	3.7	US-09-864-761-44182	Patent No. US20040487631
4	6	3.2	US-09-864-761-44182	GENERAL INFORMATION:
5	6	3.2	US-09-864-761-44182	APPLICANT: Penn, Sharon G.
6	6	3.2	US-09-864-761-44182	APPLICANT: Rank, David R.
7	6	3.2	US-09-864-761-44182	APPLICANT: Hanzel, David K.
8	6	3.2	US-09-864-761-44182	APPLICANT: Chen, Weisheng
9	6	3.2	US-09-864-761-44182	TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
10	6	3.2	US-09-864-761-44182	FILE REFERENCE: HEMICA-X-1
11	6	3.2	US-09-864-761-44182	CURRENT APPLICATION NUMBER: US/09-864-761
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25	6	3.2	US-09-864-761-44182	PRIOR FILING DATE: 2001-01-30
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36	6	3.2	US-09-864-761-44182	PRIOR APPLICATION NUMBER: PCT/US01/00673
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 PRIORITY FILING DATE: 2000-09-21  
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 PRIORITY FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: US 09/774,203  
 PRIORITY FILING DATE: 2001-01-29  
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 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67  
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 1 KMPLEIQLIKDQMEKKANPSSLLVERRE 31  
 GENERAL INFORMATION:  
 APPLICANT: Allen, Steve  
 APPLICANT: Hiltz, Bill  
 APPLICANT: Kinney, Tony  
 APPLICANT: Lingey, Scott  
 TITLE OF INVENTION: Plant sugar transport Proteins  
 FILE REFERENCE: BB-1163  
 CURRENT APPLICATION NUMBER: US/10/051,902  
 PRIOR APPLICATION NUMBER: US/09/291,922  
 PRIORITY FILING DATE: 2002-01-17  
 PRIORITY FILING DATE: EARLIER FILING DATE: 1999-04-14  
 NUMBER OF SEQ ID NOS: 30  
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 Patent No. US20020178468A1  
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 1 ANDSSLV 47  
 GENERAL INFORMATION:  
 APPLICANT: Hiltz, Bill  
 APPLICANT: Kinney, Tony  
 APPLICANT: Lingey, Scott  
 TITLE OF INVENTION: Plant Sugar Transport Proteins  
 FILE REFERENCE: BB-1163 US CIP  
 CURRENT APPLICATION NUMBER: US/10/051,909  
 CURRENT FILING DATE: 2002-01-17  
 CURRENT APPLICATION NUMBER: US/09/293,044  
 PRIORITY FILING DATE: April 24, 1998  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: Microsoft Office 97  
 SEQ ID NO: 44186  
 LENGTH: 486  
 TYPE: PRT  
 ORGANISM: Glycine max  
 LENGTH: 486  
 Best Local Similarity 100.0%; Pred. No. 89; Mismatches 0; Indels 0; Gaps 0;  
 Sequence 10, Application US/10051902  
 Patent No. US20020178468A1  
 148 ANDSSLV 154  
 1 ANDSSLV 47  
 GENERAL INFORMATION:  
 APPLICANT: Hiltz, Bill  
 APPLICANT: Kinney, Tony  
 APPLICANT: Lingey, Scott  
 TITLE OF INVENTION: Human Secreted Proteins  
 FILE REFERENCE: P20-092  
 CURRENT APPLICATION NUMBER: US/09/974,879  
 PRIORITY FILING DATE: 2001-10-12  
 PRIORITY APPLICATION NUMBER: US 60/239,893  
 PRIORITY FILING DATE: 2000-10-13  
 PRIORITY APPLICATION NUMBER: US 09/818,683  
 PRIORITY FILING DATE: 2001-03-28  
 PRIORITY APPLICATION NUMBER: US 09/305,736  
 PRIORITY FILING DATE: 1999-05-05  
 PRIORITY APPLICATION NUMBER: PCT/US98/23435  
 PRIORITY FILING DATE: 1998-11-04  
 PRIORITY APPLICATION NUMBER: US 09/818,683  
 PRIORITY FILING DATE: 1997-11-07  
 PRIORITY APPLICATION NUMBER: US 60/064,912  
 PRIORITY FILING DATE: 1997-11-07  
 PRIORITY APPLICATION NUMBER: US 60/064,983  
 PRIORITY FILING DATE: 1997-11-07  
 PRIORITY APPLICATION NUMBER: US 60/064,900  
 PRIORITY FILING DATE: 1997-11-07  
 PRIORITY APPLICATION NUMBER: US 60/064,988  
 PRIORITY FILING DATE: 1997-11-07  
 PRIORITY APPLICATION NUMBER: US 60/064,987  
 PRIORITY FILING DATE: 1997-11-07  
 PRIORITY APPLICATION NUMBER: US 60/064,908  
 PRIORITY FILING DATE: 1997-11-07  
 PRIORITY APPLICATION NUMBER: US 60/064,984  
 PRIORITY FILING DATE: 1997-11-07  
 PRIORITY APPLICATION NUMBER: US 60/064,985  
 PRIORITY FILING DATE: 1997-11-07  
 PRIORITY APPLICATION NUMBER: US 60/065,094  
 PRIORITY FILING DATE: 1997-11-17  
 PRIORITY APPLICATION NUMBER: US 60/066,100  
 PRIORITY FILING DATE: 1997-11-17  
 PRIORITY APPLICATION NUMBER: US 60/066,089  
 PRIORITY FILING DATE: 1997-11-17  
 PRIORITY APPLICATION NUMBER: US 60/066,095  
 PRIORITY FILING DATE: 1997-11-17  
 PRIORITY APPLICATION NUMBER: US 60/066,090  
 PRIORITY FILING DATE: 1997-11-17  
 NUMBER OF SEQ ID NOS: 611

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO: 393

LENGTH: 21

TYPE: PRT

ORGANISM: Homo sapiens

08-09-974-879-393

Query Match 3.2%; Score 6; DB 9; Length 21;

Best Local Similarity 100.0%; Pred. No. 47;

Matches 6; Conservative 0; Mismatches 0;

Indels 0; Gaps 0;

SEQ ID NO: 393

QY 23 LLRPPS 28

Db 12 LLRPPS 17

RESULT 5

US-10-081-816-115

Sequence 115, Application US/10081816

Publication No. US20030045472A1

GENERAL INFORMATION:

APPLICANT: Axel, Kristin

TITLE OF INVENTION: Chemosensory Gene Family Encoding Gustatory And Olfactory Recepto

FILE REFERENCE: 0575/64019-A/JPW/ADM

CURRENT APPLICATION NUMBER: US10/081,816

CURRENT FILING DATE: 2002-02-22

PRIORITY FILING DATE: 2001-02-23

NUMBER OF SEQ ID NOS: 116

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO: 115

LENGTH: 33

TYPE: PRT

ORGANISM: Drosophila melanogaster

Query Match 3.2%; Score 6; DB 9; Length 33;

Best Local Similarity 100.0%; Pred. No. 71;

Matches 6; Conservative 0; Mismatches 0;

Indels 0; Gaps 0;

SEQ ID NO: 115

QY 19 FFFFL 24

Db 26 FFFFL 31

RESULT 6

US-10-012-895-912

Sequence 912, Application US/10012896

Publication No. US2002183251A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

FILE REFERENCE: 210121-927227

CURRENT APPLICATION NUMBER: US/10/010/012, 896

CURRENT FILING DATE: 2001-12-10

NUMBER OF SEQ ID NOS: 1011

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO: 912

LENGTH: 39

TYPE: PRT

ORGANISM: Homo sapiens

US-10-012-895-912

Query Match 3.2%; Score 6; DB 9; Length 39;

Best Local Similarity 100.0%; Pred. No. 83;

Matches 6; Conservative 0; Mismatches 0;

Indels 0; Gaps 0;

QY 99 VLIITY 104

Db 25 VLIITY 30

APPLICANT: Fanger, Gary R.

APPLICANT: Wananahe, Yoshihiro

APPLICANT: Meadher, Madeleine Joy

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

FILE REFERENCE: 210121-927227

CURRENT APPLICATION NUMBER: US/10/010/012, 896

CURRENT FILING DATE: 2001-12-10

NUMBER OF SEQ ID NOS: 1011

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO: 912

LENGTH: 39

TYPE: PRT

ORGANISM: Homo sapiens

US-09-895-793-912

Sequence 912, Application US/09895793

Publication No. US2002192763A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121-534C2

CURRENT APPLICATION NUMBER: US/09/895, 793

CURRENT FILING DATE: 2001-06-29

NUMBER OF SEQ ID NOS: 992

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO: 912

LENGTH: 39

TYPE: PRT

ORGANISM: Homo sapiens

US-09-895-793-912

Query Match 3.2%; Score 6; DB 9; Length 39;

Best Local Similarity 100.0%; Pred. No. 83;

Matches 6; Conservative 0; Mismatches 0;

Indels 0; Gaps 0;

QY 99 VLIITY 104

Db 25 VLIITY 30

RESULT 8  
 US-09-895-814-912  
 Sequence 912, Application US/09895814  
 Publication No. US20023193296A1  
 GENERAL INFORMATION:  
 APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Devin C.  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: Harlocker, Susan L.  
 APPLICANT: Jiang, Yugui  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Reitter, Marc W.  
 APPLICANT: Stolk, John A.  
 APPLICANT: Day, Craig H.  
 APPLICANT: Vedwick, Thomas S.  
 APPLICANT: Carter, Darrick  
 APPLICANT: Li, Samuel X.  
 APPLICANT: Wang, Ajun  
 APPLICANT: Skalky, Yair A.W.  
 APPLICANT: Henderson, Robert A.  
 APPLICANT: Hurai, John  
 APPLICANT: McNeill, Patricia D.  
 APPLICANT: Houghton, Raymond L.  
 APPLICANT: Vinaldo de Bassols, Carlota  
 APPLICANT: FOY, Teresa  
 APPLICANT: Fanger, Gary R.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 210121421C26  
 CURRENT APPLICATION NUMBER: US/09/895,814  
 CURRENT FILING DATE: 2001-06-29  
 NUMBER OF SEQ ID NOS: 990  
 SOFTWARE: FastSEQ for Windows Version 3.0  
 SEQ ID NO: 912  
 LENGTH: 39  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-895-814-912

Query Match 3.2%; Score 6; DB 10; Length 39;  
 Best Local Similarity 100.0%; Pred. No. 83;  
 Matches 6; Conservative 0; Mismatches 0;  
 QY 99 VLIITY 104  
 QY 11111  
 DB 25 VLIITY 30

RESULT 10  
 US-09-780-669-912  
 Sequence 912, Application US/09780669  
 Patent No. US20020051977A1  
 GENERAL INFORMATION:  
 APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Devin C.  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: Harlocker, Susan L.  
 APPLICANT: Jiang, Yugui  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Reitter, Marc W.  
 APPLICANT: Stolk, John A.  
 APPLICANT: Day, Craig H.  
 APPLICANT: Vedwick, Thomas S.  
 APPLICANT: Carter, Darrick  
 APPLICANT: Li, Samuel  
 APPLICANT: Wang, Ajun  
 APPLICANT: Skalky, Yair A.W.  
 APPLICANT: Henderson, Robert A.  
 APPLICANT: Hurai, John  
 APPLICANT: McNeill, Patricia D.  
 APPLICANT: Houghton, Raymond L.  
 APPLICANT: Vinaldo de Bassols, Carlota  
 APPLICANT: FOY, Teresa  
 APPLICANT: Fanger, Gary R.  
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 210121421C24  
 CURRENT APPLICATION NUMBER: US/09/780,669  
 CURRENT FILING DATE: 2001-02-09  
 NUMBER OF SEQ ID NOS: 943  
 SOFTWARE: FastSEQ for Windows Version 3.0  
 SEQ ID NO: 912  
 LENGTH: 39  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-780-669-912

Query Match 3.2%; Score 6; DB 10; Length 39;  
 Best Local Similarity 100.0%; Pred. No. 83;  
 Matches 6; Conservative 0; Mismatches 0;  
 QY 99 VLIITY 104  
 QY 11111  
 DB 25 VLIITY 30

RESULT 11  
 US-09-822-827-912  
 Sequence 912, Application US/09822827  
 Patent No. US20020081680A1  
 GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 TREATMENT OF PROSTATE CANCER

CURRENT APPLICATION NUMBER: US/09/534C1  
 CURRENT FILING DATE: 2001-03-28  
 NUMBER OF SEQ ID NOS: 932  
 SEQ ID NO: 912  
 LENGTH: 39  
 TYPE: PRN  
 ORGANISM: Homo sapiens  
 US-09-822-827-912

Query Match 3.2%; Score 6; DB 10; Length 39;  
 Best Local Similarity 100.0%; Pred. No. 83; Matches 0; Indels 0; Gaps 0;  
 Qy 99 VILTY 104  
 Db 25 VILTY 30

RESULT 12

US-10-116-255-63  
 Sequence 63, Application US/10116255  
 Publication No. US20030056646A1  
 GENERAL INFORMATION:  
 APPLICANT: NI et al.  
 TITLE OF INVENTION: Uncoupling Protein Polynucleotides, Polypeptides, and  
 FILE REFERENCE: P1009P1  
 CURRENT APPLICATION NUMBER: US/10/116,255  
 CURRENT FILING DATE: 2002-04-05  
 PRIOR APPLICATION NUMBER: 09/685,897  
 PRIOR FILING DATE: 2000-10-11  
 PRIOR APPLICATION NUMBER: PCT/US00/09534  
 PRIOR FILING DATE: 2000-04-06  
 PRIOR APPLICATION NUMBER: 60/128,701  
 PRIOR FILING DATE: 1999-04-09  
 PRIOR APPLICATION NUMBER: 60/142,821  
 PRIOR FILING DATE: 1999-07-08  
 PRIOR APPLICATION NUMBER: 60/149,448  
 PRIOR FILING DATE: 1999-08-18  
 PRIOR APPLICATION NUMBER: 60/164,751  
 PRIOR FILING DATE: 1999-11-12  
 NUMBER OF SEQ ID NOS: 66  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 63  
 LENGTH: 41  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-116-255-63

Query Match 3.2%; Score 6; DB 9; Length 41;  
 Best Local Similarity 100.0%; Pred. No. 87; Matches 0; Indels 0; Gaps 0;  
 Qy 69 LSTRPG 74  
 Db 23 LSTRPG 28

RESULT 13

US-09-864-761-36751  
 Sequence 36751, Application US/09864761  
 Patent No. US2002004873A1  
 GENERAL INFORMATION:  
 APPLICANT: Penn, Sharron G.  
 APPLICANT: Rank, David R.  
 APPLICANT: Hanel, David R.  
 APPLICANT: Chen, Wensheng  
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

APPLICANT: Xu, Jiangchun  
 TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
 FILE REFERENCE: Aenomica X-1  
 CURRENT APPLICATION NUMBER: US/09/864,761  
 CURRENT FILING DATE: 2001-05-23  
 PRIOR APPLICATION NUMBER: US 60/180,312  
 PRIOR FILING DATE: 2000-02-04  
 PRIOR APPLICATION NUMBER: US 60/207,456  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: US 09/632,366  
 PRIOR FILING DATE: 2000-08-03  
 PRIOR APPLICATION NUMBER: GB 24263,6  
 PRIOR FILING DATE: 2000-10-04  
 PRIOR APPLICATION NUMBER: US 60/236,359  
 PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: PCT/US01/00666  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00667  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00664  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00669  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00665  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00668  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00661  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00670  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: US 60/234,687  
 PRIOR FILING DATE: 2000-09-21  
 PRIOR APPLICATION NUMBER: US 09/608,408  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: US 09/774,203  
 PRIOR FILING DATE: 2001-01-29  
 NUMBER OF SEQ ID NOS: 49117  
 SOFTWARE: Annotrax Sequence Listing Engine vers. 1.1  
 SEQ ID NO: 36751  
 LENGTH: 48  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: MAP TO 284476,6  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.65  
 OTHER INFORMATION: EXPRESSED IN HELIO, SIGNAL = 0.68  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.71  
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.61  
 OTHER INFORMATION: EXPRESSED IN BT44, SIGNAL = 0.7  
 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.84  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.72  
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.67  
 OTHER INFORMATION: SWISSPROT HIT: Q9X4E0, EVALUATE 6.20e-00  
 OTHER INFORMATION: EST\_HUMAN HIT: R07702.1, EVALUATE 5.00e-23  
 US-09-864-761-36751

Query Match 3.2%; Score 6; DB 10; Length 48;  
 Best Local Similarity 100.0%; Pred. No. 1e+02; Matches 6; Indels 0; Gaps 0;  
 Qy 183 VQEGNP 188  
 Db 12 VQEGNP 17

RESULT 14

US-10-01-883-127  
 Sequence 127, Application US/10001883  
 Publication No. US2003022186A1

GENERAL INFORMATION:  
 APPLICANT: Macrina, Roberto  
 APPLICANT: Recipon, Heerve  
 APPLICANT: Pluta, Jason  
 APPLICANT: Ghosh, Malvika  
 APPLICANT: Liu, Chenghua  
 TITLE OF INVENTION: Compositions and Methods Relating to Colon Specific Genes and Pro  
 FILE REFERENCE: DEX-0271  
 CURRENT APPLICATION NUMBER: US/10/001,883  
 CURRENT FILING DATE: 2001-11-20  
 PRIOR APPLICATION NUMBER: 60/252,059  
 PRIOR FILING DATE: 2000-11-20  
 NUMBER OF SEQ ID NOS: 137  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 127  
 LENGTH: 56  
 TYPE: PRT  
 ORGANISM: Homo sapien  
 US-10-001-883-127

Query Match 3.2%; Score 6; DB 9; Length 56;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 19 FFFFL 24  
 Db 38 FFFFL 43

RESULT 15  
 US-09-692-779  
 Sequence 779, Application US/09796692  
 PUBLICATION NO. US20020198362A1  
 GENERAL INFORMATION:  
 APPLICANT: Gaiger, Alexander  
 APPLICANT: Alrigs, Paul A.  
 APPLICANT: Mannion, Jane  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY  
 FILE REFERENCE: 2077\_001200  
 CURRENT APPLICATION NUMBER: US/09/796,692  
 CURRENT FILING DATE: 2001-03-01  
 PRIOR APPLICATION NUMBER: 60/186,126  
 PRIOR FILING DATE: 2000-03-01  
 PRIOR APPLICATION NUMBER: 60/190,479  
 PRIOR FILING DATE: 2000-03-17  
 PRIOR APPLICATION NUMBER: 60/200,545  
 PRIOR FILING DATE: 2000-04-27  
 PRIOR APPLICATION NUMBER: 60/200,303  
 PRIOR FILING DATE: 2000-04-28  
 PRIOR APPLICATION NUMBER: 60/200,779  
 PRIOR FILING DATE: 2000-04-28  
 PRIOR APPLICATION NUMBER: 60/200,999  
 PRIOR FILING DATE: 2000-05-01  
 PRIOR APPLICATION NUMBER: 60/202,084  
 PRIOR FILING DATE: 2000-05-04  
 PRIOR APPLICATION NUMBER: 60/205,201  
 PRIOR FILING DATE: 2000-05-22  
 PRIOR APPLICATION NUMBER: 60/218,950  
 PRIOR FILING DATE: 2000-07-14  
 PRIOR APPLICATION NUMBER: 60/222,903  
 PRIOR FILING DATE: 2000-08-03  
 PRIOR APPLICATION NUMBER: 60/223,416  
 PRIOR FILING DATE: 2000-08-04  
 PRIOR APPLICATION NUMBER: 60/223,378  
 PRIOR FILING DATE: 2000-08-07  
 NUMBER OF SEQ ID NOS: 957  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO: 779  
 LENGTH: 60  
 TYPE: PRT  
 ORGANISM: Homo sapiens

FEATURE:  
 NAME/KEY: variant  
 LOCATION: (1..160)  
 OTHER INFORMATION: Xaa - Any amino acid  
 US-09-796-692-779

Query Match 3.2%; Score 6; DB 9; Length 60;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 83 RNIGGS 88  
 Db 40 RNIGGS 45

Search completed: April 16, 2003, 13:14:15  
 Job time : 20 secs